February 1976 Number 378-Part II

Solar-Geophysical Data comprehensive reports

Data for August 1975–July 1975 & Miscellanea

Explanation of Data Reports Issued as Number 366 (Supplement) February 1975

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NO. 378 FEBRUARY 1976

Part II (Comprehensive Reports)

DATA FOR
AUGUST 1975
JULY 1975
& MISCELLANEA

NATIONAL GEOPHYSICAL AND SOLAR - TERRESTRIAL DATA CENTER
BOULDER, COLORADO

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No. 378

Issued in two parts

Hope I. Leighton, Editor

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Solar - Terrestrial Data Services Division

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Hα SOLAR FLARES

AUGUST 1975

OBSERV-ATORY	OBSERVED UT				LOCATION					DURA-TION	IMPOR-TANCE	OBS.		MEASUREMENTS			REMARKS
	DATE 1975 AUG	START	MAX. PHASE	END	APPROX LAT.	APPROX LON. DIST.	CENTRAL DISTANCE	McMATH PLAGE REGION	CMP. DAY	MIN.		CONG	TYPE	TIME UT	MEAS. AREA Mill. of Disk	CORR AREA Sq. Deg.	
479 PALE	01	0150	0151	0153	N07	E56	.825	13786	5.3	3	-F	2	C		41		DE
GRP62480	01	0253+7	0302+0 0322+0	0330	N05	E55	.817	13786	5.2	37	-F				90	1.6	L
TEHR	01	0253	0322	0400	N06	E57	.836	13786	5.4	67	-N	4	C		88		DE
PALE	01	0300	0302	0306	N07	E54	.805	13786	5.2	6	-F	2	C		33		F
TEHR	01	0300	0302U	0330D	N05	E56	.826	13786	5.3	30D	-F	4	V		90		DE
TACH	01	0321E	0322	0335D	N02	E53	.799	13786	5.1	14D	-F		V	0322	106	1.8	EL
MANI	01	0323E	0323U	0326D	N06	E56	.816	13786	5.3	3D	-F	2	V	0323	60	1.0	F
GRP62481	01	0420+1	0422+1	0433	N08	W89	1.000	13783	25.5	13	-F				70		U
TEHR	01	0420E	0423U	0431D	N08	W89	1.000	13783	25.5	11D	-F	4	V		70		DE U
TEHR	01	0421	0422	0433	N08	W89	1.000	13783	25.5	12	-F	4	C		73		DE U
GRP62482	01	0912+1	0913+1	0916	N08	W68	.924	13777	27.3	4	-F				25		
MEUD	01	0912	0913	0916	N08	W68	.924	13777	27.3	4	-F		C	0913	30		
MONT	01	0913	0914	0916	N08	W69	.930	13777	27.2	3	-F		C	0914	20		
483 HURB	01 IMP.1	0957E NO	1004 HTPR2	1013D MONT2	N03 MEUD2	E57 TEHR1	.838	13786	5.7	16D	? F						
484 HURB	01	1035E	1035	1059D	N03	E57	.838	13786	5.7	20D	-F						
485 MONT	01	1101	1103	1107	N05	W90	1.000	13783	25.7	6	-F		C	1103	20		
GRP62486	01	1115+4	1117+4	1126	N05	E53	.796	13786	5.4	11	-F						D
HURB	01	1115E	1117	1129D	N05	E54	.806	13786	5.5	14D	-N						
MONT	01	1119	1121	1123	N06	E52	.785	13786	5.4	4	-F		C	1121	40		D
GRP62487	01	1542+2	1545+2	1552	N05	E52	.785	13786	5.6	10	-F				30	.5	L
BOUL	01	1542	1547	1559	N06	E52	.785	13786	5.6	17	-F	2	C	1547	21	.4	
HTPR	01	1543	1545	1551	N05	E53	.796	13786	5.6	8	-F		C	1546	20	.3	E
MCMA	01	1544	1545	1549	N05	E53	.796	13786	5.6	5	-F		C	1545	40	.7	DL
MEUD	01	1544	1545	1550	N04	E52	.786	13786	5.6	6	-F		C	1545	40	.6	
RAMY	01	1545E	1547U	1556	N06	E52	.785	13786	5.6	11D	-F	3	C		45		DE
488 MCMA	01	1627	1631	1657	N06	E49	.740	13786	5.3	30	-F		C	1631	40	.6	E
489 RAMY	01	1950	1953	2012	N09	E46	.716	13786	5.3	22	-F	3	C		36		DE
490 RAMY	01	2053	2100U	2145	N09	E90	1.000	13790	8.6	52	-N	3	C		126		DE
491 PALE	01	2252	2254	2257	N07	W75	.963	13777	27.3	5	-F	3	C		15		DE
492 PALE	01	2303	2320	2339	N06	E44	.692	13786	5.3	36	-F	3	C		50		DE
GRP62493	01	2357	0011+6	0044	N05	E44	.692	13786	5.3	47	-F				80	1.1	
MANI	02	0005E	0005U	0014D	N07	E48	.740	13786	5.6	9D	-N	2	V	0005	60	.9	
MANI	02	0005E	0005U	0014D	N04	E44	.693	13786	5.3	9D	-N	2	V	0005	40	.6	
PALE	02	0011	0017	0030	N06	E44	.692	13786	5.3	19	-F	3	C		70		DE
MITK	01	2357	2411	0057	N04	E43	.680	13786	5.2	60	-F		C	2411	60	.8	
494 MITK	02 IMP.1	0101 NO	0103 PALE2	0117	N10	E90	1.000	13790	8.8	16	? N		C	0103	60		G
495 MITK	02 IMP.1	0159 NO	0202 PALE2	0210 CULG1	N09	E90	1.000	13790	8.8	11	? N		C	0202	90		GH
496 MITK	02	0411	0411	0420	N10	E90	1.000	13790	8.9	9	-N		C	0411	50		CG
GRP62497	02	0736+0	0739+0	0800	N09	E90	1.000	13790	9.1	22	-B				30		
TEHR	02	0736E	0739U	0800D	N09	E90	1.000	13790	9.1	22D	-B	4	V		30		DE
TEHR	02	0738	0739	0800	N09	E90	1.000	13790	9.1	22	-B	4	C		30		DE
GRP62498	02	0913+4	0917 0924+5	0946	N06	E37	.599	13786	5.2	33	-N				90	1.1	EUZ
TEHR	02	0913	0923	0957D	N07	E36	.585	13786	5.1	44D	-B	4	C		133		DE Z
TEHR	02	0915E	0923U	0957D	N07	E36	.585	13786	5.1	42D	-B	4	V		130		DE Z
HTPR	02	0915	0917	0942	N03	E37	.602	13786	5.2	27	-N		C	0917	20	.2	
KHAR	02	0916E	0933	0946D	N07	E39	.626	13786	5.3	30D	1F		P	0938	165	2.2	E
MONT	02	0917	0925	0934	N05	E39	.613	13786	5.2	17	-N		C	0925	80		E
HTPR	02	0919	0922	0945	N06	E38	.613	13786	5.2	26	-F		C	0922	20	.2	
HTPR	02	0920	0927	0950	N03	E39	.629	13786	5.3	30	-F		C	0927	10	.1	Z
ARCE	02	0922E		0935	N05	E36	.586	13786	5.1	13D	-N		P	0925	83	1.1	
ATHN	02	0924E	0924U	0942	N05	E35	.571	13786	5.0	18D	-E	2	C		64		Z U

Hα SOLAR FLARES

AUGUST 1975

OBSERVATORY	OBSERVED UT				LOCATION					DURATION	IMPORTANCE	OBS.		MEASUREMENTS			REMARKS
	DATE 1975 AUG	START	MAX. PHASE	END	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	McMATH PLAGE REGION	CMP. DAY	MIN.		CONG	TYPE	TIME UT	MEAS. AREA Mill. of Disk	CORR AREA Sq. Deg.	
GRP62499	02	0944+6	0946+5	0956	N09	W83	.991	13777	27.2	12	-F		C		35		AFG
MONT	02	0944	0946	0955	N08	W85	.995	13777	27.0	11	-N		C	0946	50		
CATA	02	0945	0950	0955	N10	W85	.995	13777	27.0	10	1F	3		0950	84		
HTPR	02	0945	0946	0954D	N08	W85	.995	13777	27.0	9D	-N		C	0946	20		AEG
MEUD	02	0947	0949	1005	N10	W85	.995	13777	27.0	18	-N		C	0949	30		
ATHN	02	0950	0951	0956	N10	W78	.975	13777	27.6	6	-F	2	V		32		F
ATHN	02	0950	0951	0956	N10	W78	.975	13777	27.6	6	-F	2	C		32		F
500 KHAR	02	1023E	1026	1029D	N05	E38	.613	13786	5.3	6D	-F		P	1026	60	.8	D
GRP62501	02	1042+3	1044+5 1114+2	1131	N07	E90	1.000	13790	9.2	49	-B						K
RAMY	02	1042	1044	1124	N08	E90	1.000	13790	9.2	42	-B	3	C				DE
HTPR	02	1043	1045	1110	N07	E90	1.000	13790	9.2	27	-B		C	1045	30		K
KHAR	02	1043	1114	1126	N08	E90	1.000	13790	9.2	43	2B		C				K
ATHN	02	1044E	1047	1142	N07	E90	1.000	13790	9.2	58D	-B	4	C		182		DE
ATHN	02	1044E	1047	1142	N07	E90	1.000	13790	9.2	58D	-B	4	V		182		DE
MEUD	02	1045	1047	1110	N08	E90	1.000	13790	9.2	25	1N		C	1102	80		
CATA	02	1045	1045	1049D	N05	E90	1.000	13790	9.2		1N	3		1045	56		
RAMY	02	1045E	1049U	1105D	N06	E90	1.000	13790	9.2	20D	-B	3	V				DE
CATA	02	1105E	1105	1200	N05	E90	1.000	13790	9.2	55D	1N	3		1105	84		
HTPR	02	1113	1114	1123	N07	E90	1.000	13790	9.2	10	-B		C	1114	40		
MEUD	02	1114	1116	1122	N08	E90	1.000	13790	9.2	8	1N		C	1116	70		
GRP62502	02	1145+1	1146+3	1156	N07	E90	1.000	13790	9.2	11	-F						R
HTPR	02	1145	1146	1156	N07	E90	1.000	13790	9.2	11	-N		C	1146	10		D
ATHN	02	1146	1149	1156	N07	E90	1.000	13790	9.2	10	-F	4	V		83		DE R
ATHN	02	1146	1149	1156	N07	E90	1.000	13790	9.2	10	-F	4	C		83		F R
GRP62503	02	1321>9	1330+4	1343	N08	E90	1.000	13790	9.3	22	-N						D
RAMY	02	1321	1332	1344	N10	E88	.999	13790	9.2	23	-B	4	C				DE
CATA	02	1325	1330	1340	N07	E90	1.000	13790	9.3	15	1N	3		1330	56		
RAMY	02	1326E	1332	1337D	N07	E90	1.000	13790	9.3	11D	-B	4	V				DE
BOUL	02	1329	1332	1345	N08	E90	1.000	13790	9.3	16	-N	1	C	1332	42	1.7	
ATHN	02	1329	1332	1343	N07	E90	1.000	13790	9.3	14	-B	4	V		182		DE
ATHN	02	1329	1332	1343	N07	E90	1.000	13790	9.3	14	-B	4	C		182		DE
HUAN	02	1330	1331	1339	N09	E90	1.000	13790	9.3	9	-N	2	C	1331	20		D
MEUD	02	1331	1334	1343	N08	E90	1.000	13790	9.3	12	1N		C	1334	80		
GRP62504	02	1427+3	1428+3	1435	N08	E90	1.000	13790	9.4	8	-N				20		AD
BOUL	02	1427	1428	1435	N08	E90	1.000	13790	9.4	8	-F	1	C	1428	21	.9	
HTPR	02	1429	1430	1435	N07	E90	1.000	13790	9.4	6	-B		C	1430	10		AD
HUAN	02	1429		1432	N09	E90	1.000	13790	9.4	3	-F	1	C				D
MEUD	02	1430	1431	1435	N08	E90	1.000	13790	9.4	5	-F		C	1431	30		
CATA	02	1430	1430	1435	N07	E90	1.000	13790	9.4	5	-N	3		1430	28		
KHAR	02	1432E		1432D	N08	E90	1.000	13790	9.4		2B		V				
GRP62505	02	1451+0	1454+0	1507	N05	E36	.586	13786	5.3	16	-F				60	.7	
ATHN	02	1451	1454	1507	N05	E36	.586	13786	5.3	16	-F	4	V		64		DE
ATHN	02	1451	1454	1507	N05	E36	.586	13786	5.3	16	-F	4	C		64		F
GRP62506	02	1537	1543	1548	N07	W87	.998	13777	27.1	11	-F				40		
RAMY	02	1537	1543	1547	N05	W86	.997	13777	27.2	10	-F	4	C		48		
MEUD	02	1542E		1548	N10	W88	.999	13777	27.1	6D	-F		C	1543	30		
507 MEUD	02	1635	1636	1637	N04	E34	.558	13786	5.2	2	-F		C	1636	40	.5	
GRP62508	02	1735+3	1740+0	1744	N08	E89	1.000	13790	9.4	9	-F				20		D
BOUL	02	1735	1740	1747	N07	E90	1.000	13790	9.5	12	-F	1	C	1740	21	.9	
HUAN	02	1738	1740	1741	N09	E88	.999	13790	9.3	3	-F	1	C	1740	15		D
509 HUAN	02	1804	1805	1808	N06	E36	.585	13786	5.5	4	-F	2	C	1805	35	.4	E
510 HUAN	02	1923	1924	1928	N06	E35	.571	13786	5.4	5	-F	2	C	1924	30	.4	E
GRP62511	02	2005+3	2009+2	2016	N09	E89	.999	13790	9.5	11	-F				15		D
BOUL	02	2005	2011	2016	N08	E90	1.000	13790	9.6	11	-F	1	C	2011	10	.4	
HUAN	02	2008	2009	2013	N09	E88	.999	13790	9.4	5	-F	1	C	2009	20		D
RAMY	02	2008	2023	2034	N09	E88	.999	13790	9.4	26	-N	4	C				DE
512 HUAN	02	2040	2043	2048	N09	E88	.999	13790	9.5	8	-F	1	C	2043	20		D
GRP62513	02	2102	2109+1	2117	N06	E33	.542	13786	5.4	15	-N				50	.6	EU
HUAN	02	2102	2110	2116	N06	E34	.556	13786	5.4	14	-N	2	C	2110	60	.7	E
RAMY	02	2107E	2109U	2117D	N07	E33	.542	13786	5.4	10D	-N	2	V		54		DE U
RAMY	02	2107E	2109U	2117D	N07	E33	.542	13786	5.4	10D	-N	2	C		54		DE U
PALE	02	2110E	2110	2113	N06	E32	.527	13786	5.3	3D	-N	3	C		58		DE

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION	IMPORTANCE	OBS.		MEASUREMENTS			REMARKS
	DATE 1975 AUG	START	MAX. PHASE	END	APPROX LAT.	APPROX MER. DIST.	CENTRAL DISTANCE	McMATH PLAGE REGION	CMP. DAY	MIN.		CONC.	TYPE	TIME UT	MEAS. AREA Millionths of Disk	CORR AREA Sq. Deg.	
GRP62514	02	2104+2	2107	2126	N07	E89	1.000	13790	9.6	22	-F						
HUAN	02	2104		2116	N07	E88	.999	13790	9.5	12	-F	1	C				
BOUL	02	2106	2107	2135	N07	E90	1.000	13790	9.6	29	-N	1	F	2107	21	.9	
515 HUAN	02	2124	2125	2126	N06	E34	.556	13786	5.4	2	-F	1	C	2125	25	.3	D
516 HUAN	02	2137	2138	2144	N06	E34	.556	13786	5.5	7	-F	1	C	2138	20	.2	D
517 PALE	02	2218	2221	2228	N06	E32	.527	13786	5.3	10	-B	3	C		108		
519 PALE	03	0042	0043	0052D	N06	E30	.497	13786	5.3	10D	-F	3	C		41		DE
GRP62519	03	0322+3	0354+2 0413+2	0458	N06	E28	.467	13786	5.2	96	1B				250	2.8	KUZ
MITK	03	0322	0335	0456	N06	E28	.467	13786	5.2	94	1B		C	0335	380	4.4	FUZ
PALE	03	0325	0345	0426D	N06	E28	.467	13786	5.2	61D	1B	3	C		326		U F
TEHR	03	0325E	0338	0455D	N07	E30	.497	13786	5.4	90D	1B	4	C		240		U Z
TACH	03	0340E	0354	0432	N06	E26	.436	13786	5.1	52D	2N		V	0355	796	8.9	
TACH	03	0340E	0347	0432	N06	E26	.436	13786	5.1	52D	2N		V	0347	619	7.1	EK
ATHN	03	0350E	0414	0518D	N05	E27	.452	13786	5.2	88D	1B	2	V		224		Z U
ATHN	03	0350E	0414	0518D	N05	E27	.452	13786	5.2	88D	1B	2	C		224		Z U
ATHN	03	0350E	0356	0518D	N05	E27	.452	13786	5.2	88D	-B	2	C		160		Z U
ATHN	03	0350E	0355	0518D	N05	E27	.452	13786	5.2	88D	-B	2	V		160		Z U
KODA	03	0410E	0415	0448D	N07	E30	.497	13786	5.4	39D	1B		F	0410	215	2.2	E
MANI	03	0413E	0413U	0455D	N06	E28	.467	13786	5.3	42D	1B	2	F	0413	350	4.1	ZU
GRP62520	03	0415	0422 0429+1	0439	N08	E84	.993	13790	9.5	24	-B						D
MANI	03	0415	0422	0439	N09	E91	.986	13790	9.3	24	-N	3	C	0422	10	.3	
TEHR	03	0426E	0423	0442	N09	E85	.995	13790	9.6	16D	-B	4	C		24		DE
KODA	03	0428E	0430	0435	N08	E85	.995	13790	9.6	7D	-B		V	0428			D
GRP62521	03	0441	0444+4	0454	N10	E84	.993	13790	9.5	13	-N				50		
MITK	03	0441	0444	0446	N11	E85	.994	13790	9.6	5	-F		C	0444	60		D
MANI	03	0445E	0448	0455	N10	E84	.993	13790	9.5	10D	-N	3	F	0448	50	1.4	
MITK	03	0446	0443	0452	N11	E85	.994	13790	9.6	6	-N		C	0449	60		D
GRP62522	03	0534+1	0539+2	0552	N08	E85	.995	13790	9.6	18	-B				30		D
TEHR	03	0534E	0541	0549	N08	E84	.993	13790	9.5	15D	-B	4	C		24		DE
TEHR	03	0534E	0541	0549	N08	E84	.993	13790	9.5	15D	-N	4	V		24		DE
MANI	03	0535	0541	0552	N08	E85	.995	13790	9.6	17	-N	3	C	0541	50	1.5	
ATHN	03	0539E	0533U	0554	N07	E85	.995	13790	9.6	15D	-B	4	C		32		DE
MITK	03	0542		0554	N10	E85	.995	13790	9.6	12	-B		F	0542	60		D
523 CATA	03	0610E	0625	0655	N06	E28	.467	13786	5.4	45D	-N	3		0625	84	1.0	
GRP62524	03	0635+5	0637+0 0645	0705	N06	E84	.993	13790	9.6	30	-B				40		
TEHR	03	0635E	0637	0705	N06	E86	.997	13790	9.7	30D	-B	4	V		36		DE
TEHR	03	0635E	0637	0705	N06	E86	.997	13790	9.7	30D	-B	4	C		36		DE
CATA	03	0640	0645	0705	N05	E80	.983	13790	9.3	25	1N	3		0645	56		
GRP62525	03	0746+4	0748+2 0756	0817	N06	E24	.405	13786	5.1	31	-N				120	1.3	FJKU
ABST	03	0746	0748	0755	N09	E24	.407	13786	5.1	9	-N		C	0748	140	1.5	EJK
MEUD	03	0747	0749	0755	N07	E23	.389	13786	5.0	8	-N		C	0748	80	.9	
ATHN	03	0747E	0749	0856	N05	E25	.421	13786	5.2	71D	-N	4	V		144		U F
ATHN	03	0747E	0748	0838	N05	E25	.421	13786	5.2	51D	-N	4	C		144		U F
CATA	03	0750	0750	0805	N06	E22	.373	13786	5.0	15	-N	1		0750	84	.9	
TEHR	03	0752E	0755	0838D	N07	E23	.389	13786	5.1	46D	-N	4	C		30		F
ARCE	03	0800E		0810D	N05	E24	.405	13786	5.1	10D	-N		F	0800	67	.7	B
526 TEHR	03	0756E	0802	0833D	N09	E83	.991	13790	9.6	37D	-B	4	C		24		DE U
GRP62527	03	0835>9	0847+7	0905	N07	E83	.991	13790	9.6	30	-N				50		C
ARCE	03	0835	0854	0910	N08	E82	.988	13790	9.5	35	-N		C	0854	38		
CATA	03	0840	0850	0900D	N06	E83	.991	13790	9.6	20D	1N	1		0850	112		
TEHR	03	0845E	0847U	0934	N07	E84	.993	13790	9.7	49D	-B	4	C		45		DE
MEUD	03	0846	0850	0858	N08	E80	.983	13790	9.4	12	-N		C	0850	60		
ATHN	03	0847E	0847D	0847D	N07	E84	.993	13790	9.7		-B	4	V		48		DE
KHAR	03	0847E	0847	0859D	N08	E83	.991	13790	9.6	11D	1F		P				D
528 ATHN	03	0851	0854U	0927	N05	E26	.437	13790	5.3	36	-N	4	C		96		U
529 TEHR	03	0914E	0913U	0934D	N08	E83	.991	13790	9.6	20D	-B	4	C		38		DE

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OBSERV-ATORY	OBSERVED UT				LOCATION					DURA-TION	IMPOR-TANCE	OBS.		MEASUREMENTS			REMARKS
	DATE 1975 AUG	START	MAX. PHASE	END	APPROX LAT.	APPROX MER. DIST.	CENTRAL DISTANCE	McMATH PLAGE REGION	CMP. DAY	MIN.		CONC.	TYPE	TIME UT	MEAS. AREA Mill. of Disk	CORR AREA Sq. Deg.	
GRP62530	03	0950+1	0953>9	1015	N08	E82	.988	13790	9.6	25	-B				60		
ATHN	03	0950	0953	1010	N08	E82	.988	13790	9.6	20	-B	4	C		64		F
ATHN	03	0950	0953	1010	N05	E82	.993	13790	9.6	20	-B	4	V		64		F
MEUD	03	0951	1000	1014	N09	E80	.982	13790	9.4	23	1N		C	1000	80		
TEHR	03	0951E	1004	1018D	N07	E83	.991	13790	9.6	27D	-B	4	C		53		DE
TEHR	03	0951E	1004	1018D	N07	E83	.991	13790	9.6	27D	-B	4	V		53		DE
KHAR	03	0953E	0958	1016D	N09	E81	.985	13790	9.5	23D	1N		C				E
ARCE	03	0955E		1000D	N08	E82	.988	13790	9.6	5D	-B		F	0955	64		
GRP62531	03	1217+3	1220+5	1229	N09	E79	.979	13790	9.4	12	-N				70		C
TEHR	03	1217	1220	1228D	N10	E79	.979	13790	9.4	11D	-N	4	V		71		DE
TEHR	03	1217	1220	1228D	N10	E79	.979	13790	9.4	11D	-N	4	C		71		DE
RAMY	03	1216E	1220	1224	N10	E78	.975	13790	9.4	10D	-N	4	V		64		DE
RAMY	03	1218	1220	1228	N10	E80	.982	13790	9.5	10	-N	4	C		45		DE
MEUD	03	1219	1220	1228	N08	E78	.976	13790	9.4	9	1N		C	1220	80		
CATA	03	1220	1225	1230D	N07	E80	.983	13790	9.5	10D	1B	3		1225	84		
KHAR	03	1220E	1229	1240D	N07	E80	.983	13790	9.5	20D	1N		C				D
GRP62532	03	1306E	1307+4	1318D	N06	E24	.405	13786	5.3	12	-F				50	.3	F
ATHN	03	1306E	1307U	1311D	N05	E24	.405	13786	5.3	5D	-N	3	C		64		F
RAMY	03	1310E	1311	1314D	N08	E25	.421	13786	5.4	8D	-F	4	V		48		
533 HUAN	03	1353	1354	1403	N08	E79	.979	13790	9.5	10	-N	1	C	1354	25		D
534 HUAN	03	1420	1425	1432	N07	E85	.995	13790	10.0	12	-N	1	C	1425	30		
535 HUAN	03	1440	1443	1448	N08	E79	.979	13790	9.5	8	-F	1	C	1443	25		D
536 HUAN	03	1524		1533	N07	E79	.980	13790	9.6	9	-F	1	C	1524	25		D
GRP62537	03	1545+2	1552+2	1604	N05	E76	.969	13790	9.4	19	-F				45		D
HUAN	03	1545	1554	1602	N05	E73	.977	13790	9.5	17	-N	1	C	1554	25		D
MEUD	03	1547	1552	1605	N06	E75	.964	13790	9.3	18	-F		C	1552	60		
GRP62538	03	1[illegible]		1614	N[illegible]	E23	.389	13786	5.-	10	-F						E
HUAN	03	1[illegible]		1613	N[illegible]	24	.405	13786	5.5	9	-F	1	C				
MCMA	03	1613E		1614D	N05	E23	.389	13786	5.4	1D	-N		P	1613	40	.5	E
539 HUAN	03	1619		1634	N08	E77	.972	13790	9.5	15	-F	1	C	1626	25		D
540 HUAN	03	1654		1703	N08	E80	.983	13790	9.7	9	-F	1	C				
541 BOUL	03	1810	1813	1816	N10	E79	.979	13790	9.7	6	-F	1	C	1813	10	.4	
GRP62542	03	1821	1833	1837	N08	E77	.972	13790	9.5	16	-F						
HUAN	03	1821		1837	N08	E80	.983	13790	9.8	16	-F	1	C				
PALE	03	1832E	1833	1836	N08	E74	.958	13790	9.3	4D	-F	2	C		56		DE
GRP62543	03	1833+3		1946	N06	E23	.389	13786	5.5	73	-N						E
MCMA	03	1833E		1848D	N06	E23	.389	13786	5.5	15D	-N		C	1842	80	.9	E
HUAN	03	1836		1946	N07	E24	.405	13786	5.6	70	-N	1	C	1850	90	1.0	E
GRP62544	03	1949	2008	2054D	N06	E22	.373	13786	5.5	69	-N						
HUAN	03	1949		2054D	N07	E25	.420	13786	5.7	69D	1N	1	P				
PALE	03	2003E	2008U	2009L	N06	E20	.340	13786	5.3	6D	-F	2	C		92		DE
GRP62545	03	1955>9	2011	2017	N08	E76	.968	13790	9.5	22	-F						
HUAN	03	1955		2019	N08	E73	.979	13790	9.8	24	-F	1	C	2000	30		
PALE	03	2007	2011	2014	N08	E73	.953	13790	9.3	7	-F	2	C		42		DE
	03	2100	2235	NO FLARE PATROL													
546 PALE	03	2110E	2121	2121	N06	E19	.324	13786	5.3	11D	-F	2	C		42		DE
547 PALE	03	2112	2117	2125	N08	E73	.953	13790	9.4	13	-F	2	C		55		DE
548 PALE	03	2209	2210	2219	N08	E74	.958	13790	9.5	6	-F	2	C		44		
	03	2332	2333	NO FLARE PATROL													
549 PALE	04	0049	0050	0051	N08	E71	.942	13790	9.4	2	-N	2	C		35		
550 TACH	04	0345E		0420D	N05	E11	.191	13786	5.0	35D	-N		V	0346	88	.9	D
551 MITK	04	0446	0450	0459	N10	E71	.942	13790	9.5	13	-F		C	0450	60	1.4	C
552 ZURI	04	0642E	0643	0657	N10	E68	.923	13790	9.4	15D	-N		P	0643	71		

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION	IMPORTANCE	OBS.		MEASUREMENTS			REMARKS
	DATE 1975 AUG	START	MAX. PHASE	END	APPROX. LAT.	APPROX. LNGR DIST.	CENTRAL DISTANCE	McMATH PLAGE REGION	CMP. DAY	MIN.		CONC.	TYPE	TIME UT	MEAS. AREA Mill. of Disk	CORR AREA Sq. Deg.	
GRP62553	04	0659+1	0720+1	0735	N13	E68	.922	13790	9.4	36	-F		C	0721	60		
ZURI	04	0659	0721	0735	N15	E68	.922	13790	9.4	36	-F		C	0721	60		
CATA	04	0700	0720	0735	N12	E69	.929	13790	9.5	35	1F	1		0720	196		
GRP62554	04	0908+4	0911+2	0919	N07	E63	.924	13790	9.5	11	-N				60		D
MONT	04	0908	0913	0921	N10	E65	.923	13790	9.5	13	-F		C	0913	20		D
TEHR	04	0910E	0912	0914	N06	E70	.937	13790	9.6	4D	-F	4	V		80		DE
TEHR	04	0910E	0912	0914	N06	E70	.937	13790	9.6	4D	-F	4	C		80		DE
ATHN	04	0910	0911	0921	N07	E68	.924	13790	9.5	11	-B	4	V		48		DE
ATHN	04	0910	0911	0921	N07	E63	.924	13790	9.5	11	-B	4	C		48		DE
KHAR	04	0912	0912	0926D	N09	E67	.916	13790	9.4	14D	1F		P	0912	60		D
GRP62555	04	1044+1	1047+2	1058	N06	E09	.156	13786	5.1	14	-F				70	.7	U
TEHR	04	1044	1047	1058	N08	E09	.159	13786	5.1	14	-F	4	C		70		U
RAMY	04	1045E	1047	1103	N06	E10	.173	13786	5.2	18D	-F	4	V		48		FDE
ATHN	04	1045	1049	1057	N04	E07	.126	13786	5.0	12	-F	4	C		64		F
TEHR	04	1045E	1047	1103	N08	E09	.159	13786	5.1	8D	-F	4	V		110		U
GRP62556	04	1127+1	1130+6	1150	N06	E03	.138	13786	5.1	23	-F						U
TEHR	04	1127	1134	1145	N06	E09	.159	13786	5.2	18	-F	4	C		80		U
MCMA	04	1128E		1223	N05	E03	.140	13786	5.1	55D	-B		P	1139	25	.3	D
ATHN	04	1128	1132	1148	N04	E06	.110	13786	4.9	20	-N	4	C		32		F
KHAR	04	1130E	1130	1200D	N05	E07	.122	13786	5.0	30D	-F		C	1130	110	1.1	E
RAMY	04	1132E	1133U	1148	N06	E10	.173	13786	5.2	16D	-F	4	V		48		FDE
TEHR	04	1132	1136	1142	N08	E09	.159	13786	5.2	10	-F	4	V		160		U
GRP62557	04	1207>9	1212 1222+4	1230	N03	E11	.197	13786	5.3	23	-N				90	.9	DHV
TEHR	04	1207	1222	1231	N05	E16	.275	13786	5.7	24	-F	4	C		120		H
ZURI	04	1212	1212	1216	N03	E10	.181	13786	5.3	4	-F		C	1212	92	1.0	
CATA	04	1215	1225	1235	N03	E10	.181	13786	5.3	20	-B	3		1225	84	.9	
MCMA	04	1221	1225	1231	N03	E10	.181	13786	5.3	10	-B		C	1225	100	1.0	DHV
ZURI	04	1222	1225	1228	N03	E10	.181	13786	5.3	6	-B		C	1226	65	.7	
HUAN	04	1226E		1228	N03	E11	.197	13786	5.3	2D	-N	1	P				
GRP62558	04	1214+0	1225	1240	S05	E17	.346		5.8	32	-F						D
MCMA	04	1214E		1216D	S05	E13	.359		5.9	2D	-F		P	1216	35	.4	D
ZURI	04	1214	1225	1240	S05	E16	.332		5.7	32	-F		C	1226	71	.8	
559 HUAN	04	1254		1258	N03	E12	.213	13786	5.4	4	-F	1	C				
GRP62560	04	1446+4	1505+2	1513	N02	E04	.155	13786	5.2	27	-F				45	.5	
HUAN	04	1446		1451	N03	E10	.181	13786	5.4	5	-F	1	C				
CATA	04	1450	1505	1530	N02	E08	.135	13786	5.2	40	-N	3		1505	56	.6	
BOUL	04	1501	1506	1515	N02	E08	.135	13786	5.2	14	-F	2	C	1506	32	.3	
ZURI	04	1502	1505	1510	N03	E08	.148	13786	5.2	8	-F		C	1506	61	.6	
HUAN	04	1505	1507	1508	N03	E08	.148	13786	5.2	3	-F	1	C	1507	25	.3	D
GRP62561	04	1612+1	1613	1617	N07	E67	.917	13790	9.7	5	-F						E
MCMA	04	1612	1613	1616	N07	E67	.917	13790	9.7	4	-N		C	1613	30	.8	E
HUAN	04	1613		1618	N07	E67	.917	13790	9.7	5	-F	1	C				E
562 MCMA	04	1743	1743	1748	N07	E12	.207	13786	5.6	5	-F		C	1743	40	.4	E
GRP62563	04	1833+1	1835+1	1850	N07	E67	.917	13790	9.8	17	-N				40		D
MCMA	04	1833E	1835	1856	N08	E66	.910	13790	9.7	23D	-N		C	1835	40	1.0	D
HUAN	04	1934	1436	1944	N07	E69	.924	13790	9.9	10	-N	1	C	1836	35		
564 HUAN	04	1904	1905	1909	N09	E62	.879	13790	9.4	5	-F	1	C	1905	20	.4	D
565 HUAN	04	1953		2000	N03	E07	.132	13786	5.4	7	-F	1	C	1954	25	.3	D
566 HUAN	04	2011	2013	2022	N03	E06	.116	13786	5.3	12	-F	1	C	2013	25	.3	D
GRP62567	04	2302E	2315+1	2320D	N12	E65	.901	13790	9.8	18	-N						
PALE	04	2302E	2316U	2320D	N12	E63	.886	13790	9.7	18D	-F	2	C		30		DE
MITK	04	2306	2315	2320	N12	E69	.922	13790	10.1	14	1B		P	2315	110		
	05	0012	0013	NO FLARE PATROL													
	05	0100	0104	NO FLARE PATROL													
GRP62568	05	0150+1	0151+0	0206	N08	E57	.835	13790	9.4	16	-N				70	1.3	E
PALE	05	0150	0151	0206	N09	E58	.844	13790	9.4	16	-N	3	C		64		DE
MITK	05	0151	0151	0202	N08	E56	.825	13790	9.3	11	-B		C	0151	80	1.5	E

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OBSERV-ATORY	OBSERVED UT				LOCATION					DURA-TION	IMPOR-TANCE	OBS.		MEASUREMENTS			REMARKS
	DATE 1975 AUG	START	MAX. PHASE	END	APPROX LAT.	APPROX LNG. DIST.	CENTRAL DISTANCE	McMATH PLAGE REGION	CMR DAY	MIN.		CONF.	TYPE	TIME UT	MEAS. AREA Millionths of Disk	CORR AREA Sq. Deg.	
GRP62569	05	0740+8	0752+1	0807	N06	E03	.052	13786	5.5	27	-N				110	1.1	E
BUCA	05	0740		0810	N06	E04	.069	13786	5.6	30	-N		P	0755	128	1.3	E
ATHN	05	0747	0752	0803	N06	E03	.052	13786	5.5	16	-F	4	V		48		F
ATHN	05	0747	0752	0803	N06	E03	.052	13786	5.5	16	-F	4	C		48		F
ATHN	05	0748	0752	0803	N05	W01	.025	13786	5.3	15	-F	4	V		48		DE
ATHN	05	0748	0752	0803	N05	W01	.025	13786	5.3	15	-F	4	C		48		DE
ATHN	05	0749	0752	0803	N07	E09	.156	13786	6.0	15	-F	4	V		32		DE
HTPR	05	0748	0753	0805	N07	E02	.035	13786	5.5	17	-N		C	0756	40	.4	D
ATHN	05	0748	0752	0803	N07	E09	.156	13786	6.0	15	-F	4	C		32		DE
HTPR	05	0749	0753	0805	N06	W01	.017	13786	5.3	16	-N		C	0753	40	.4	D
MONT	05	0752E	0752	0807	N07	E03	.055	13786	5.6	150	-N		C	0752	80		E
HTPR	05	0754	0758	0810	N07	E08	.139	13786	5.9	16	-F		C	0758	30	.3	D
570 CATA	05	0855	0900	0900D	N05	E57	.836	13790	9.6	5D	-N	3		0900	28	.5	
571 HURB	05	1032E	1036	1046D	N10	E60	.861	13790	9.9	14D	-N						
572 HURB	05	1113E	1117	1123D	N05	W02	.039	13786	5.3	10D	-F						
GRP62573	05	1239E	1241+0	1247	N10	E53	.794	13790	9.5	8	-F				40	.7	
TEHR	05	1239E	1241	1247	N10	E53	.794	13790	9.5	8D	-F	4	C		40		DE
TEHR	05	1239E	1241	1247	N10	E53	.794	13790	9.5	8D	-F	4	V		40		DE
GRP62574	05	1456+9	1502+3	1513	N05	E48	.740	13790	9.2	17	-F				50	.7	
HUAN	05	1456	1502	1512	N05	E47	.729	13790	9.1	16	-F	1	C	1502	30	.4	E
ATHN	05	1459	1502	1506D	N09	E47	.727	13790	9.1	7D	-F	2	V		64		F
MEUD	05	1501	1505	1513	N05	E48	.740	13790	9.2	12	-F		C	1505	70	1.0	
CATA	05	1505	1505	1510D	N02	E50	.766	13790	9.4	5D	-N	1		1505	28	.4	
575 HUAN	05	1907	1908	1925	N05	W04	.072	13786	5.5	18	-F	1	C	1908	40	.4	E
GRP62576	05	1949>9	2021	2047	N06	W03	.052	13786	5.6	58	-N				120	1.2	
HUAN	05	1949E		2059D	N06	W02	.035	13786	5.7	70D	-N	1	P	2024	110	1.1	E
PALE	05	2019	2021	2035	N06	W05	.087	13786	5.5	16	-N	3	C		133		F
	05	2059	2103	NO FLARE PATROL													
	05	2305	2307	NO FLARE PATROL													
577 HTPR	06	0618	0618	0625	N05	W15	.258	13786	5.1	7	-F		C	0618	30	.3	
GRP62578	06	0624+0	0626+0	0631	N10	W04	.097	13786	6.0	7	-F				30	.3	R
ATHN	06	0624	0626	0631	N10	W04	.097	13786	6.0	7	-F	4	V		32		DE R
ATHN	06	0624	0626	0631	N10	W04	.097	13786	6.0	7	-F	4	C		32		DE R
GRP62579	06	0630>9	0632+3 0641+0	0650	N05	W15	.258	13786	5.1	20	-F				50	.5	DJ
UPIC	06	0630	0635	0645	N05	W15	.258	13786	5.1	15	-F		P	0635	61		
HTPR	06	0631	0632	0637	N05	W15	.258	13786	5.1	6	-F		C	0632	30	.3	
CATA	06	0635	0635	0645D	N05	W14	.242	13786	5.2	10D	-N	3		0635	56	.6	
ABST	06	0640	0641	0652	N04	W15	.260	13786	5.2	12	-F		C	0641	70	.7	DJ
HTPR	06	0640	0641	0650	N05	W15	.258	13786	5.2	10	-N		C	0641	20	.2	
580 HTPR	06	0702	0703	0710	N05	W15	.258	13786	5.2	8	-F		C	0703	70	.7	
GRP62581	06	0733	0739+5	0751	N04	W15	.260	13786	5.2	18	-F				20	.2	D
HTPR	06	0733	0744	0810	N03	W12	.214	13786	5.4	37	-F		C	0744	20	.2	D
ATHN	06	0738E	0739U	0751	N05	W17	.292	13786	5.0	13D	-F	3	V		16		DE
ATHN	06	0738E	0739U	0751	N05	W17	.292	13786	5.0	13D	-F	3	C		16		DE
GRP62582	06	0802+0	0803+1	0814	N04	W15	.260	13786	5.2	12	-F				20	.2	D
HTPR	06	0802	0804	0820	N05	W16	.275	13786	5.1	18	-F		C	0804	20	.2	D
MONT	06	0802	0803	0807	N04	W15	.260	13786	5.2	5	-F		C	0803	20		D
GRP62583	06	0840	0841+1	0848D	N05	W14	.242	13786	5.3	8	-F						D
HTPR	06	0840	0842	0848D	N05	W16	.275	13786	5.2	8D	-F		C	0842	20	.2	D
HURB	06	0841E	0841	0845D	N05	W12	.208	13786	5.5	4D	-F						
GRP62584	06	0851+5	0905+0	0915D	N04	W15	.260	13786	5.2	24	-N						
HURB	06	0851E	0905	0908D	N04	W15	.260	13786	5.2	17D	-N						E
ARCE	06	0856	0905	0915D	N05	W15	.258	13786	5.2	19D	-N		C	0905	35	.4	T
MONT	06	0857E	0857	0900D	N04	W16	.277	13786	5.2	3D	-F		C	0857	20		C
585 HURB	06	0857E	0902	0904D	N07	E47	.728	13790	9.9	7D	-F						

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OBSERV-ATORY	OBSERVED UT				LOCATION					DURATION	IMPORTANCE	OBS.		MEASUREMENTS			REMARKS
	DATE 1975 AUG	START	MAX. PHASE	END	APPROX LAT.	APPROX MER. DIST.	CENTRAL DISTANCE	McMATH PLAGE REGION	CMP. DAY	MIN.		CONC.	TYPE	TIME UT	MEAS. AREA Mill. of Disk	CORR AREA Sq. Deg.	
GRP62586	06	0935+9	0945+4	0957	N05	W16	.275	13786	5.2	22	-N						HU
HURB	06	0935E	0945	1005E	N03	W16	.280	13786	5.2	30D	1N						
ARCE	06	0935	0945	0956	N05	W15	.258	13786	5.3	21	-B		C	0946	86	.9	H
CATA	06	0940	0945	0945D	N05	W16	.275	13786	5.2	5D	-B	3		0945	84	.9	
ATHN	06	0940E	0945U	0958	N07	W17	.291	13786	5.1	18D	-N	2	V		48		F
HTPR	06	0944	0948	0955	N06	W16	.274	13786	5.2	11	-N		C	0948	70	.7	U
TEHR	06	0947E	0943U	1000E	N05	W13	.225	13786	5.4	13D	-B	4	V		24		DE
MEUD	06	0948	0943	0952	N05	W17	.292	13786	5.1	4	-F		C	0949	30	.3	
GRP62587	06	1010+2	1011+2	1017	N05	W16	.275	13786	5.2	7	-F				40	.4	
HTPR	06	1010	1011	1015	N06	W16	.274	13786	5.2	5	-F		C	1011	50	.5	
MEUD	06	1012	1013	1018	N05	W17	.292	13786	5.2	6	-F		C	1013	30	.3	
GRP62589	06	1017	1027+4	1100	N06	W14	.241	13786	5.4	43	-N						C
HTPR	06	1017	1027	1100	N07	W14	.241	13786	5.4	43	-N		C	1027	20	.2	D
HURB	06	1027E	1031	1059E	N05	W14	.242	13786	5.4	28D	1N						
589 HURB	06	1034E	1040	1054D	N08	E45	.703	13790	9.8	20D	-N						
GRP62590	06	1135	1141 1204	1220	N05	W16	.275	13786	5.3	45	-N						K
HTPR	06	1135	1204	1220	N05	W18	.308	13786	5.1	45	-N		C	1204	40	.4	K
HTPR	06	1135	1141	1220	N06	W18	.307	13786	5.1	45	-F		C	1141	40	.4	K
HURB	06	1210E	1210	1220D	N05	W14	.242	13786	5.5	10D	-N						
GRP62591	06	1229+2	1230+4	1241	N05	W18	.308	13786	5.2	12	-N				50	.5	
ZURI	06	1229	1231	1239	N04	W18	.310	13786	5.2	10	-N		C	1231	92	1.0	
HTPR	06	1229	1230	1241D	N05	W18	.308	13786	5.2	12D	-F		C	1230	25	.3	
RAMY	06	1229E	1233	1241	N06	W19	.324	13786	5.1	12D	-N	3	V		54		DE
RAMY	06	1230E	1234U	1241	N05	W18	.308	13786	5.2	11D	-N	3	C		72		DE
RAMY	06	1230E	1234U	1241	N05	W18	.308	13786	5.2	11D	-N	3	C		72		DE
TEHR	06	1231E	1232U	1420E	N06	W15	.257	13786	5.4	109D	-B	3	V		30		DE
MEUD	06	1231	1233	1240	N05	W19	.308	13786	5.2	9	-F		C	1233	40	.4	
GRP62592	06	1247+9	1303+2	1319	N05	W18	.308	13786	5.2	32	-N				60	.6	EH
ZURI	06	1247	1305	1319	N07	W18	.307	13786	5.2	32	-N		C	1305	82	.9	
RAMY	06	1256	1303U	1319	N04	W19	.310	13786	5.2	23	-N	3	C		54		DE H
RAMY	06	1253E	1303U	1319	N06	W20	.340	13786	5.0	20D	-N	3	V		45		DE H
HUAN	06	1307E		1319	N05	W18	.308	13786	5.2	12D	-F	1	P	1310	65	.7	E
GRP62593	06	1350E	1355+0	1418	N05	W19	.325	13786	5.2	28	-F				40	.4	
RAMY	06	1350E	1355U	1401D	N06	W20	.340	13786	5.1	11D	-F	3	V		36		DE
RAMY	06	1350E	1355U	1409	N04	W19	.326	13786	5.2	19D	-F	3	C		36		DE
HUAN	06	1407		1426	N05	W18	.308	13786	5.2	19	-F	1	P	1408	30	.3	
594 HUAN	06	1518		1526	N05	W19	.325	13786	5.2	8	-F	1	C				
GRP62595	06	1533+8	1555	1558	N04	W19	.326	13786	5.2	20	-F						E
HUAN	06	1538		1550	N05	W20	.341	13786	5.2	12	-F	1	C				E
WEND	06	1546		1600	N04	W19	.326	13786	5.2	14	-N		V				
HUAN	06	1553	1553	1556	N05	W20	.341	13786	5.2	3	-F	1	C	1555	30	.3	
596 HUAN	06	1627		1634	N05	W22	.373	13786	5.0	7	-F	1	C				D
GRP62597	06	1640+6	1648+0 1702+3	1726	N05	W17	.292	13786	5.4	46	-N				80	.9	E
HUAN	06	1640		1733	N06	W16	.274	13786	5.5	53	-N	1	C	1702	45	.5	
HUAN	06	1644	1648	1652	N05	W20	.341	13786	5.2	8	-N	1	C	1648	70	.8	
MEUD	06	1646	1648	1653	N05	W20	.341	13786	5.2	7	-F		C	1648	100	1.1	
MEUD	06	1657	1702	1715	N06	W15	.257	13786	5.6	18	-F		C	1702	40	.4	
PALE	06	1704E	1705U	1738	N06	W17	.291	13786	5.4	34D	-N	2	C		25		DE
RAMY	06	1710E	1714U	1724	N04	W16	.277	13786	5.5	14D	-F	3	C		54		DE
MCMA	06	1719E		1720D	N06	W16	.274	13786	5.5	1D	-N		P	1719	40	.4	ET
GRP62598	06	1815+5	1813 1901	1916	N05	W21	.357	13786	5.2	61	-N				80	.9	
PALE	06	1815	1819	1822	N04	W20	.343	13786	5.3	7	-F	3	C		10		DE
MCMA	06	1820		1900D	N05	W22	.373	13786	5.1	40D	-N		P	1900	125	1.4	F
PALE	06	1825	1827	1832D	N06	W19	.324	13786	5.3	7D	-F	2	C		12		DE
HUAN	06	1843		1912	N06	W22	.373	13786	5.1	29	-N	1	C	1903	45	.5	
PALE	06	1855	1901U	1920D	N05	W20	.341	13786	5.3	25D	-N	2	C		80		DE
GRP62599	06	2006+5	2035+1	2052	N05	W22	.373	13786	5.2	46	-N						
MCMA	06	2006E		2100D	N05	W22	.373	13786	5.2	54D	-N		P	2050	100	1.1	
HUAN	06	2011	2035	2043	N06	W22	.373	13786	5.2	32	-N	1	C	2035	40	.4	
PALE	06	2030	2036U	2037D	N05	W21	.357	13786	5.3	7D	-N	3	C		100		DE
600 MCMA	06	2016E		2017D	N10	W13	.232	13786	5.9	1D	-N		P	2017	40	.4	EH

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION	IMPORTANCE	OBS.		MEASUREMENTS			REMARKS
	DATE 1975 AUG	START	MAX. PHASE	END	APPROX. LAT.	APPROX. LONG. DIST.	CENTRAL DISTANCE	McMATH PLAGE REGION	CMP DAY	MIN.		CONC.	TYPE	TIME UT	MEAS. AREA Mill. of Disk	CORR AREA Sq. Deg.	
GRP62601	06	2147	2151	2207	N04	W24	.407	13786	5.1	20	-N				90	1.0	FU
PALE	06	2147	2151	2206	N05	W23	.389	13786	5.2	19	-N	3	C		55		U F
MCMA	06	2148E		2208D	N04	W25	.422	13786	5.0	20D	-N		P	2156	125	1.4	F
GRP62602	07	0012	0013 0136	0151	N05	W24	.405	13786	5.2	99	B						EU
PALE	07	0012	0013	0051D	N05	W24	.405	13786	5.2	39D	? N	3	C		85		UDE
	IMP 1 NO		CULG1														
PALE	07	0031	0135	0151	N05	W24	.405	13786	5.2	80	1B	3	C		316		UDE
GRP62603	07	0259+0	0303+1	0311	N06	W27	.452	13786	5.1	13	-B				90	1.0	U
PALE	07	0258	0303	0311	N05	W24	.405	13786	5.3	13	1N	3	C		239		DE
TEHR	07	0258	0304	0313	N06	W27	.452	13786	5.1	15	-B	4	C		93		U
TEHR	07	0259E	0303	0309	N07	W29	.482	13786	4.9	10D	-B	4	V		88		U
GRP62604	07	0323E	0325 0341	0401	N05	W26	.437	13786	5.2	38	1N				320	3.6	DLUZ
TACH	07	0323E	0326	0352D	N05	W27	.452	13786	5.1	29D	1N		V	0328	327	3.8	BLTUZ
KODA	07	0330E	0330	0410	N04	W27	.454	13786	5.1	40D	1B		P	0330	315	3.3	D
PALE	07	0341	0341	0342D	N05	W25	.421	13786	5.3	1D	-N	2	C		80		
605 TACH	07	0426E	0431	0438	N05	W27	.452	13786	5.2	12D	? F		V	0430	371	4.3	BUTZ
	IMP 1 NO		TEHR1	CULG1													
606 TACH	07	0503	0503	0512	N05	W26	.437	13786	5.3	9	-N		V	0503	133	1.5	DT
607 CATA	07	0605E	0605	0610D	N06	W21	.356	13786	5.7	5D	-N	3		0605	56	.6	
608 ISTA	07	0620		0632	N06	W29	.482	13786	5.1	12	-N						2
GRP62609	07	0810+9	0820 0837+1	0902	N05	W29	.483	13786	5.2	52	-F				80	.9	EH
ARCE	07	0810	0820	0845	N05	W30	.498	13786	5.1	35	-F		C	0820	96	1.1	H
ZURI	07	0816	0838	0902	N04	W30	.499	13786	5.1	46	-N		C	0838	55	.7	
MONT	07	0819	0837	0911	N04	W30	.499	13786	5.1	52	-N		C	0837	110		E
WEND	07	0828		0902	N06	W28	.467	13786	5.3	34	1F		V		400	4.6	
610 MONT	07	0902	0911	0921	N08	W23	.389	13786	5.7	19	-F		C	0911	20		
GRP62611	07	0939+3	0941+2	0948	N04	W29	.484	13786	5.2	9	-F						
MONT	07	0939	0941	0946	N04	W30	.499	13786	5.2	7	-F		C	0941	40		
HTPR	07	0942	0943	0950	N05	W29	.483	13786	5.2	8	-N		C	0943	10	.1	
GRP62612	07	1020	1025+3	1040	N05	W31	.513	13786	5.1	20	-N						EUZ
HTPR	07	1020	1025	1035	N04	W32	.529	13786	5.0	15	-N		C	1025	10	.1	E
ATHN	07	1027E	1028	1040	N05	W31	.513	13786	5.1	13D	-N	4	V		96		Z U
ATHN	07	1027E	1028	1040	N05	W31	.513	13786	5.1	13D	-N	4	C		96		Z U
GRP62613	07	1139+2	1143+0	1152	N04	W32	.529	13786	5.1	13	-N						E
HTPR	07	1139	1143	1155	N04	W32	.529	13786	5.1	16	-N		C	1143	50	.6	E
UPIC	07	1141	1143	1148	N04	W32	.529	13786	5.1	7	1F		P	1143	184		
614 HURB	07	1154E	1154	1218D	N09	W23	.390	13786	5.9	24D	-N						
GRP62615	07	1248+1	1248+9	1308	N05	W31	.513	13786	5.2	20	-N						EI
UPIC	07	1238	1258U	1308	N05	W32	.528	13786	5.1	30	1F		P	1258	204		
RAMY	07	1248	1254	1304	N04	W31	.514	13786	5.2	16	-N	3	C		45		DE
MCMA	07	1248	1251	1306	N05	W31	.513	13786	5.2	18	-N		C	1251	60	.7	E
MEUD	07	1248	1248	1252	N05	W31	.513	13786	5.2	4	-F		C	1248	30	.4	
TEHR	07	1248	1251	1320	N07	W30	.497	13786	5.3	32	-B	4	C		80		DE
HTPR	07	1249	1249	1310	N05	W33	.543	13786	5.1	21	-B		C	1249	50	.6	E
KIEV	07	1249E	1252	1308D	N05	W31	.513	13786	5.2	19D	1F		C	1252	250	3.1	EI
ZURI	07	1250	1254	1308	N05	W33	.543	13786	5.1	18	-N		C	1254	103	1.3	
CATA	07	1250	1250	1305	N06	W31	.512	13786	5.2	15	-B	3		1250	56	.7	
TEHR	07	1250E	1252U	1320	N06	W30	.497	13786	5.3	30D	-B	4	V		24		DE
HUAN	07	1256		1303	N05	W32	.528	13786	5.1	7	-F	1	C				
616 UPIC	07	1333E		1347	N05	W33	.543	13786	5.1	14D	-F		P	1339	82		
617 MCMA	07	1400	1402	1456	N11	E24	.410	13790	9.4	56	-N		C	1402	40	.4	E

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION	IMPORTANCE	OBS.		MEASUREMENTS			REMARKS
	DATE 1975 AUG	START	MAX. PHASE	END	APPROX LAT.	APPROX MER. DIST.	CENTRAL DISTANCE	McMATH PLAGE REGION	CMR DAY	MIN.		COND.	TYPE	TIME UT	MEAS. AREA Mill. of Disk	CORR AREA Sq. Deg.	
GRP62618	07	1450>9	1501+4 1513+4	1538	N04	W33	.544	13786	5.1	48	-N						KU
HUAN	07	1450	1503	1600	N05	W33	.543	13786	5.1	70	1N	1	C	1503	130	1.6	K
MCMA	07	1450	1502	1557	N05	W32	.528	13786	5.2	67	-B		C	1502	125	1.6	E
RAMY	07	1450	1501	1548D	N03	W33	.545	13786	5.1	580	1B	4	C		240		DE
ZURI	07	1450	1516	1554	N03	W34	.560	13786	5.1	64	-N		C	1516	123	1.5	
UPIC	07	1455	1503	1551	N05	W33	.543	13786	5.1	56	1N		P	1503	367		TK
HTPR	07	1500	1502	1530D	N05	W33	.543	13786	5.2	30D	-N		C	1502	90	1.1	KU
MEUD	07	1500	1502	1506	N05	W33	.543	13786	5.2	6	-N		C	1502	80	1.0	
RAMY	07	1500	1505U	1520D	N04	W33	.544	13786	5.2	20D	-B	4	V		180		DE
HTPR	07	1500	1513	1530D	N04	W33	.544	13786	5.2	30D	-N		C	1513	120	1.4	KU
CATA	07	1505E	1505	1510D	N06	W33	.542	13786	5.2	5D	-B	3		1505	112	1.4	
BOUL	07	1505	1517	1537	N04	W33	.544	13786	5.2	32	1N	2	C	1517	203	2.4	
HERS	07	1507E	1513	1524	N05	W33	.543	13786	5.2	17D	-N		P	1513	90	1.9	D
MEUD	07	1512	1513	1518	N05	W33	.543	13786	5.2	6	-N		C	1513	80	1.0	
CATA	07	1520E	1520	1525D	N05	W33	.543	13786	5.2	5D	-B	3		1520	112	1.4	
GRP62619	07	1620+4	1625+2	1654	N04	W34	.558	13786	5.1	34	-N				80	1.0	EK
UPIC	07	1620	1625	1705	N05	W34	.557	13786	5.1	45	-N		P	1625	143		TK
MCMA	07	1623	1626	1719	N04	W33	.544	13786	5.2	56	-B		C	1626	80	1.0	E
MEUD	07	1623	1627	1635	N04	W35	.572	13786	5.1	12	-F		C	1627	60	.7	
HUAN	07	1624	1627	1700	N04	W34	.559	13786	5.1	36	-N	1	C	1627	60	.7	
ZURI	07	1624	1628	1638	N03	W34	.560	13786	5.1	14	-N		C	1626	103	1.3	
GRP62620	07	1752+2	1754+2	1812	N05	W33	.543	13786	5.3	20	-F				60	.7	E
MCMA	07	1752	1754	1830D	N05	W34	.557	13786	5.2	38D	-N		C	1754	60	.8	E
HUAN	07	1752	1755	1802	N05	W34	.557	13786	5.2	10	-F	1	C	1755	35	.4	
PALE	07	1754	1756	1812	N06	W32	.527	13786	5.3	18	-F	3	C		84		DE
GRP62621	07	1805+1	1807+5	1816	N12	E16	.290	13790	9.0	11	-F				50	.5	EH
MCMA	07	1805	1807	1816	N12	E17	.305	13790	9.0	11	-N		C	1807	40	.4	EH
HUAN	07	1806	1812	1816	N11	E16	.285	13790	9.0	10	-F	2	C	1812	40	.4	E
BOUL	07	1806	1811	1820	N12	E15	.274	13790	8.9	14	-F	2	C	1811	64	.7	
622 HUAN	07	*1809	1812	1815	N09	E27	.453	13790	9.8	6	-F	2	C	1812	15	.2	D
GRP62623	07	1844+2	1850+2	1910	N05	W34	.557	13786	5.2	26	-N				70	.8	E
MCMA	07	1844	1850	1909	N05	W35	.571	13786	5.2	25	-B		C	1850	80	1.0	E
HUAN	07	1846	1852	1911	N05	W33	.543	13786	5.3	25	-N	1	C	1852	70	.9	
GRP62624	07	1909+5	1914+0	1922	N08	E25	.421	13790	9.7	13	-F				30	.3	D
MCMA	07	1909	1914	1926	N08	E25	.421	13790	9.7	17	-N		C	1914	25	.3	D
HUAN	07	1914	1914	1918	N08	E26	.436	13790	9.8	4	-F	1	C	1914	25	.3	D
GRP62625	07	1945+2	1948+0	2014	N11	E24	.410	13790	9.6	29	-F				40	.4	E
MCMA	07	1945	1948	2020	N10	E23	.392	13790	9.5	35	-N		C	1948	50	.5	E
HUAN	07	1946		1949D	N11	E24	.410	13790	9.6	3D	-F	1	P	1948	40	.4	E
PALE	07	1947	1948U	2007	N11	E26	.441	13790	9.8	20	-F	3	C		30		DE
GRP62626	07	2032+7	2039+6	2100	N05	W35	.571	13786	5.2	28	-F						E
MCMA	07	2032E	2039	2104	N05	W36	.586	13786	5.2	32D	-N		C	2039	80	1.0	E
HUAN	07	2039	2045	2055	N06	W34	.556	13786	5.3	16	-F	1	C	2045	30	.4	
627 MCMA	07	2045	2050	2105	N11	E23	.395	13790	9.6	20	-F		C	2050	60	.7	EH
GRP62628	07	2129+3	2131+4	2146	N05	W37	.600	13786	5.1	17	-N				70	.9	J
MCMA	07	2129	2134	2150	N05	W37	.600	13786	5.1	21	-N		C	2134	100	1.3	E
PALE	07	2129	2135	2146D	N06	W36	.585	13786	5.2	17D	-N	2	C		30		DE
VORO	07	2130	2131	2136D	N06	W39	.626	13796	5.0	60	-B		C	2131	72	1.0	BDJ
HUAN	07	2132		2144	N03	W37	.602	13786	5.1	12	-F	1	C				
GRP62629	07	2237+0	2239+2	2247	N05	W38	.613	13786	5.1	10	-N				50	.6	DJ
VORO	07	2237	2241	2247	N05	W39	.627	13786	5.0	10	-B		C	2241	72	1.0	DJ
PALE	07	2237	2239U	2247D	N05	W37	.600	13796	5.2	10D	-F	2	C		25		DE
630 VORO	07	2301	2303	2315	N08	E22	.373	13790	9.6	14	-B		C	2303	81	.9	EJ
631 VORO	07	2335	2337	2351	N04	W40	.641	13786	5.0	16	-B		C	2342	90	1.1	DJ
632 VORO	08	0017	0019	0027	N05	W39	.627	13786	5.1	10	-B		C	0019	99	1.3	DJ
	08	0152	0203	NO FLARE PATROL													
GRP62633	08	0530+1	0534+0	0538	N07	W40	.639	13786	5.2	8	-F				50	.7	FK
UPIC	08	0511	0517	0540	N04	W39	.628	13786	5.3	29	-F		F	0517	143		FK
TEHR	08	0530	0534	0538	N08	W40	.639	13786	5.2	8	-F	3	C		45		
ATHN	08	0531	0534	0538	N08	W40	.639	13786	5.2	7	-N	3	V		48		F
ATHN	08	0531	0534	0538	N08	W40	.639	13786	5.2	7	-N	3	C		48		F

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION	IMPORTANCE	OBS.		MEASUREMENTS			REMARKS
	DATE 1975 AUG	START	MAX. PHASE	END	APPROX LAT.	APPROX MER. DIST.	CENTRAL DISTANCE	McMATH PLAGE REGION	CMR. DAY	MIN.		CONC	TYPE	TIME UT	MEAS. AREA Mill. of Disk	CORR AREA Sq. Deg	
GRP62634	08	0625+5	0630+7	0643	N06	W37	.599	13786	5.5	18	-F				40	.5	DJ
CATA	08	0625	0630	0645	N06	W36	.585	13786	5.6	20	-N	3		0630	56	.7	
UPIC	08	0630	0635	0645	N06	W37	.599	13786	5.5	15	-F		P	0635	82		F
TEHR	08	0633	0637	0639	N06	W39	.626	13786	5.3	6	-F	3	C		30		
ABST	08	0633	0635	0646	N07	W37	.598	13786	5.5	13	-F		C	0636	62	.7	DJ
ATHN	08	0634E	0637	0639	N07	W39	.612	13786	5.4	5D	-F	3	C		32		DE
ATHN	08	0634E	0637	0639	N07	W38	.612	13786	5.4	5D	-F	3	V		32		DE
MTPR	08	0636E		0650	N05	W37	.600	13786	5.5	14D	-F		C	0636	30	.4	D
GRP62635	08	0946+4	0950+1	0959	N07	W45	.703	13786	5.0	13	-F				30	.4	
TEHR	08	0946	0951	0957	N08	W44	.691	13786	5.1	11	-F	3	C		28		DE
ATHN	08	0947	0950	0959D	N07	W45	.703	13786	5.0	12D	-F	4	V		32		DE
ATHN	08	0947	0950	0959D	N07	W45	.703	13786	5.0	12D	-F	4	C		32		DE
ARCE	08	0950		1000D	N05	W45	.704	13786	5.0	10D	-F		P	1000	51	.7	
GRP62636	08	1052+7	1057+0 1104+1	1119	N06	W42	.666	13786	5.3	27	-F				70	.9	I
TEHR	08	1052	1057	1127	N07	W40	.639	13786	5.5	35	-F	3	C		62		
TEHR	08	1053E	1057	1128D	N06	W40	.640	13786	5.5	35D	-F	3	V		58		
MCMA	08	1059	1104	1108	N04	W44	.693	13786	5.2	9	-N		C	1104	50	.7	E
KIEV	08	1103E	1105	1110D	N06	W45	.704	13786	5.1	7D	-F		C	1105	100	1.3	DI
637 UPIC	08	1230E		1240	N06	W46	.716	13786	5.1	10D	-F		P	1230	41		
GRP62638	08	1639+5	1645+0	1722	N04	W47	.730	13786	5.2	43	-N				50	.7	E
MCMA	08	1639	1645	1722	N04	W47	.730	13786	5.2	43	-N		C	1645	50	.7	E
HUAN	08	1644		1705D	N04	W47	.730	13786	5.2	21D	-F	1	C	1653	35	.5	E
ATHN	08	1645E	1645U	1708D	N04	W48	.741	13786	5.1	23D	-B	4	C		64		DE
GRP62639	08	1738+6	1744+1	1753	N04	W48	.741	13786	5.1	15	-F				30	.4	C
MCMA	08	1738	1745	1753	N04	W48	.741	13786	5.1	15	-N		C	1745	35	.5	D
HUAN	08	1743	1744	1752	N04	W48	.741	13786	5.1	9	-F	1	C	1744	20	.3	D
640 HUAN	08	1824E		1826	N04	W52	.786	13786	4.9	2D	-F	1	P				
641 MCMA	08	1827	1828	1840	N12	E04	.122	13790	9.1	13	-N		C	1828	60	.6	EH
GRP62642	08	1932+3	1943	2011	N05	E06	.106	13790	9.3	39	-F						
MCMA	08	1932	1943	2011	N06	E07	.121	13790	9.3	39	-F		C	1943	50	.5	E
HUAN	08	1943		2005D	N05	E06	.106	13790	9.3	22D	-F	1	P	2000	20	.2	D
643 HUAN	08	2003		2005D	N14	E03	.144	13790	9.1	2D	-F	1	P	2004	20	.2	C
644 MCMA	08	2147	2151	2205	N12	E02	.106	13790	9.1	18	-N		C	2151	60	.6	E
GRP62645	09	0224+1	0227+3	0300	N08	E05	.091	13790	9.5	36	-B						IJ
TEHR	09	0224E	0230U	0300	N08	E05	.091	13790	9.5	36D	-B	3	V		120		F
VORO	09	0224E		0302D	N03	W09	.166	13790	8.4	38D	1N		P	0235	358	3.6	IJ
MITK	09	0225	0230	0249	N09	E07	.130	13790	9.6	24	1B		C	0230	280	2.8	
PALE	09	0225E	0227	0252D	N09	E05	.091	13790	9.5	27D	-B	3	C		169		DE
TEHR	09	0231E	0231U	0300	N08	E05	.091	13790	9.5	29D	-B	3	C		120		F
GRP62646	09	0313E	0315+0	0322	N12	00	.039	13790	9.1	9	-N				30	.3	CU
TEHR	09	0313E	0315	0322	N12	E00	.039	13790	9.1	9D	-N	4	V		30		U
TEHR	09	0313E	0315	0322	N12	E00	.039	13790	9.1	9D	-N	4	C		30		U
VORO	09	0314E		0323D	S00	E01	.111	13790	9.2	9D	-B		P	0323	99	1.0	D
GRP62647	09	0343+0	0345+0	0359	N06	W50	.763	13786	5.4	16	-N				20	.3	
TEHR	09	0343	0345U	0359	N06	W50	.763	13786	5.4	16	-N	4	V		24		DE
TEHR	09	0343	0345U	0359	N06	W50	.763	13786	5.4	16	-N	2	C		24		DE
GRP62648	09	0345+0	0350+0	0401	N08	E05	.091	13790	9.5	16	-N				30	.3	F
TEHR	09	0345	0350U	0401	N08	E05	.091	13790	9.5	16	-N	4	C		30		F
TEHR	09	0345	0350U	0401	N08	E05	.091	13790	9.5	16	-N	4	V		30		F
GRP62649	09	0453E	0458+0	0503	N08	E04	.075	13790	9.5	10	-N				20	.2	F
TEHR	09	0453E	0458	0503	N08	E04	.075	13790	9.5	10D	-N	4	V		24		F
TEHR	09	0453E	0458	0503	N08	E04	.075	13790	9.5	10D	-N	4	C		24		F
GRP62650	09	0512	0515+3	0529	N05	W52	.785	13786	5.3	16	-N				50	.8	F
UPIC	09	0512	0515	0525	N08	W48	.739	13786	5.6	13	-F		F	0515	61		
TEHR	09	0515E	0518	0528	N05	W53	.796	13786	5.2	13D	-N	4	V		48		F
TEHR	09	0515E	0518	0528	N05	W53	.796	13786	5.2	13D	-N	2	C		48		F
UPIC	09	0520E	0520U	0545	N04	W55	.817	13786	5.1	25D	-F		F	0520	61		E
651 CATA	09	0635	0639	0700	N08	E06	.108	13790	9.7	25	-N	3		0635	56	.6	

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OBSERV-ATORY	OBSERVED UT				LOCATION					DURA-TION	IMPOR-TANCE	OBS.		MEASUREMENTS			REMARKS
	DATE 1975 AUG	START	MAX. PHASE	END	APPROX LAT.	APPROX MER. DIST.	CENTRAL DISTANCE	McMATH PLAGE REGION	CMP. DAY	MIN.		COND.	TYPE	TIME UT	MEAS. AREA Millionths of Disk	CORR. AREA Sq. Deg.	
GRP62652	09	0900+8	0910+1	0925	N08	E03	.060	13790	9.6	25	-N				70	.7	FU
3UCA	09	0900		0945	N09	E05	.098	13790	9.8	45	-N		F	0915	127	1.3	E
CATA	09	0905	0910	0925	N08	E03	.060	13790	9.6	20	-N	3		0910	56	.6	
ATHN	09	0908	0911	0924	N08	E03	.060	13790	9.6	16	-N	4	C		80		U F
ATHN	09	0908	0911	0924	N08	E03	.060	13790	9.6	16	-N	4	V		80		U F
TEHR	09	0909E	0911	0915D	N07	E03	.053	13790	9.6	6D	-N	4	V		26		F
GRP62653	09	0922E	1922	0939	N01	W52	.789	13786	5.5	17	-F				30	.5	
ATHN	09	0922E	0922U	0939	N01	W52	.789	13786	5.5	17D	-F	4	C		32		DE
ATHN	09	0922E	0922U	0939	N01	W52	.789	13786	5.5	17D	-F	4	V		32		DE
GRP62654	09	0923+0	0928+0	0940	N12	W49	.751	13786	5.7	17	-N				30	.5	
ATHN	09	0923	0928	0940	N12	W49	.751	13786	5.7	17	-N	4	V		32		DE
ATHN	09	0923	0928	0940	N12	W49	.751	13786	5.7	17	-N	4	C		32		DE
655 TEHR	09	0949E	0953	0959	N08	E05	.091	13790	9.8	10D	-N	4	V		30		F
656 MCMA	09	1312	1316	1322	N12	E04	.121	13790	9.9	10	-N		C	1316	30	.3	DH
657 TEHR	09	1355E	1358	1409D	N08	E04	.075	13790	9.9	14D	-F	4	V		24		DE
658 MCMA	09	1445	1447	1450	N12	E04	.121	13790	9.9	5	-F		C	1447	20	.2	DH
659 MCMA	09	1840	1842	1853	N04	W62	.881	13786	5.1	13	-N		C	1842	50	1.2	E
	09	1958	2014	NO FLARE PATROL													
660 MCMA	09	2035	2039	2057	N08	W05	.091	13790	9.5	22	-N		C	2039	80	.8	E
661 MCMA	09	2142	2147	2157	N08	W05	.091	13790	9.5	15	-F		C	2147	50	.5	E
	09	2240	2307	NO FLARE PATROL													
662 PALE	09	2251E	2304U	2321D	N07	W62	.879	13786	5.3	30D	-N	3	C		35		DE
	09	2316	2321	NO FLARE PATROL													
	09	2326	0000	NO FLARE PATROL													
	10	0024	0215	NO FLARE PATROL													
663 TEHR	10	0235E	0235	0257	N05	W64	.896	13786	5.3	22D	-B	3	V		36		F
GRP62664	10	0658	0701 0715+0	0731	N08	W07	.124	13790	9.8	33	-N						JU
ABST	10	0658	0701	0714	N09	W06	.113	13790	9.8	16	-F		C	0701	70	.7	DJ
TEHR	10	0709E	0715	0727	N08	W06	.108	13790	9.8	18D	-N	4	V		24		F
CATA	10	0715	0715	0725	N08	W09	.158	13790	9.6	10	-B	3		0715	28	.3	
ATHN	10	0716E	0715U	0740	N08	W07	.124	13790	9.8	24D	-N	4	V		176		UDE
ATHN	10	0716E	0716U	0740	N08	W07	.124	13790	9.8	24D	-N	4	C		176		UDE
GRP62665	10	0751+7	0805+0	0824	N05	W69	.931	13786	5.2	33	-N				60		U
UPIC	10	0751	0805	0811	N06	W71	.943	13786	5.0	20	1F		P	0805	82		F
ATHN	10	0758	0805	0824D	N05	W68	.925	13786	5.2	26D	-B	4	C		48		UDE
ATHN	10	0758	0805	0824D	N05	W68	.925	13786	5.2	26D	-B	4	V		48		UDE
GRP62666	10	0813E	0815+0	0826D	N08	W08	.141	13790	9.7	13	1N				240	2.4	U
ATHN	10	0813E	0815	0826D	N08	W08	.141	13790	9.7	13D	1N	4	V		240		UDE
ATHN	10	0813E	0815	0826D	N08	W08	.141	13790	9.7	13D	1N	4	C		240		UDE
GRP62667	10	0914+1	0917	0944	N05	W71	.943	13786	5.1	30	1N						I
WEND	10	0914		0935	N05	W70	.937	13786	5.1	21	1N		V		400	9.4	
UPIC	10	0915	0917	0935	N06	W72	.943	13786	5.0	20	1N		P	0917	82		F
ARCE	10	0920E		0935D	N04	W73	.955	13786	4.9	15D	-N		C	0925	48		
KIEV	10	0921E		0935D	N06	W71	.943	13786	5.1	14D	1N		C	0921	250		DI
ATHN	10	0925E	0925U	0944	N05	W69	.931	13786	5.2	19D	-B	4	C		64		DE
ATHN	10	0925E	0925U	0944	N05	W69	.931	13786	5.2	19D	-B	4	V		64		DE
GRP62668	10	0945+5	0952+5	1010	N08	W09	.159	13790	9.7	25	1N				210	2.1	EI
3UCA	10	0945		0959	N08	W08	.141	13790	9.8	14	-N		P	0954	191	2.0	E
KIEV	10	0949E	0952	1010D	N08	W10	.175	13790	9.7	21D	1N		C	0952	250	2.7	I
UPIC	10	0950	0957	1025	N08	W10	.175	13790	9.7	35	-F		P	0957	184		

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OBSERV-ATORY	OBSERVED UT				LOCATION					DURATION	IMPORTANCE	OBS.		MEASUREMENTS			REMARKS
	DATE 1975 AUG	START	MAX. PHASE	END	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	McMATH PLAGE REGION	CMP. DAY	MIN.		CONF.	TYPE	TIME UT	MEAS. AREA Mill. of Disk	CORR AREA Sq. Deg.	
GRP62669	10	1310	1335+6	1354	N08	W12	.208	13790	9.6	44	-N		P				IJKL
UPIC	10	1310	1335	1403	N08	W13	.225	13790	9.6	53	1F		P	1336	286		
BOUL	10	1325E	1338	1359	N08	W12	.208	13790	9.7	340	-N	2	P	1338	107	1.1	
TEHR	10	1329E	1342	1350	N08	W10	.175	13790	9.8	220	-N	3	V		48		F
LVOV	10	1330	1339	1410	N08	W13	.225	13790	9.6	40	1F		C	1339	300	3.2	EIJKL
CATA	10	1330	1340	1350D	N08	W13	.225	13790	9.6	200	-B	3		1340	84	.9	
ATHN	10	1332E	1335	1350	N09	W14	.244	13790	9.5	180	-N	4	V		64		DE
ATHN	10	1332E	1336	1350	N09	W14	.244	13790	9.5	180	-N	4	C		64		DE
RAMY	10	1336E	1338U	1350	N08	W12	.208	13790	9.7	140	-N	3	C		72		FDE
RAMY	10	1336E	1338U	1352D	N09	W11	.194	13790	9.7	160	-N	4	V		64		FDE
MCMA	10	1348E		1350D	N07	W13	.224	13790	9.6	20	-B		P	1349	100	1.1	BE
GRP62670	10	1352+1	1356 1412+7	1443	N04	W71	.944	13796	5.3	51	-N						FJK
UPIC	10	1352	1412	1555	N04	W72	.949	13786	5.2	123	1N		P	1412	122		F
ATHN	10	1353	1413	1440	N05	W69	.931	13786	5.4	47	-B	4	C		48		F
ATHN	10	1353	1356	1440	N05	W69	.931	13786	5.4	47	-N	4	V		48		F
LVOV	10	1355	1413	1443	N04	W72	.949	13786	5.2	48	1F		C	1419	100		EJK
RAMY	10	1409	1412	1427D	N03	W73	.955	13786	5.1	180	-N	3	C		63		FDE
BOUL	10	1410	1417	1447	N04	W72	.949	13786	5.2	37	-N	0	C	1417	42	1.2	
TEHR	10	1410	1414	1419	N05	W67	.918	13786	5.6	9	-N	3	V		23		F
TEHR	10	1410E	1414	1419	N05	W67	.918	13786	5.6	90	-N	3	C		23		F
RAMY	10	1413E	1414U	1431	N03	W73	.955	13786	5.1	180	-F	4	V		64		FDE
CATA	10	1425E	1430	1455	N06	W70	.937	13786	5.4	30D	1B	3		1430	84		
HUAN	10	1430E		1527D	N05	W73	.954	13786	5.1	57D	-N	1	F	1441	50		E
671 UPIC	10	1410	1412	1415	N11	W21	.363	13790	9.0	5	-F		F	1412	41		
672 LVOV	10	1416	1418	1422	N09	W11	.194	13790	9.8	6	? F		C	1418	150	1.6	BDIJ
	IMP.1	NO	BOUL2	RAMY2				1									
GRP62673	10	1435+0	1435+5	1448	N15	W22	.395	13790	9.0	13	-F				40	.4	H
CATA	10	1435	1435	1455D	N18	W22	.413	13790	9.0	20D	-N	3		1435	56	.6	
ATHN	10	1435	1440	1448	N13	W22	.385	13790	9.0	13	-F	4	C		32		DE H
ATHN	10	1435	1440	1448	N13	W22	.385	13790	9.0	13	-F	4	V		32		DE H
GRP62674	10	1451+4	1453	1512	N08	W14	.242	13790	9.6	21	-F						IJ
HUAN	10	1451		1500	N08	W13	.225	13790	9.6	9	-F	1	C				
LVOV	10	1452	1453	1512	N08	W15	.258	13790	9.5	20	1F		C	1453	200	2.1	EIJ
UPIC	10	1455	1515	1535	N08	W14	.242	13790	9.6	40	-F		P	1515	102		F
GRP62675	10	1636		1703D	N07	W15	.257	13790	9.6	27	-F						E
MCMA	10	1636		1703D	N07	W14	.241	13790	9.6	27D	-F		C	1648	40	.4	E
HUAN	10	1637E		1641D	N08	W16	.275	13790	9.5	4D	-F	1	P				E
	10	1815	1818	NO FLARE PATROL													
	10	1827	1833	NO FLARE PATROL													
GRP62676	10	1833E	1844	1925	N08	W17	.291	13790	9.5	52	-N				130	1.4	E
HUAN	10	1833E		1925	N08	W16	.275	13790	9.6	52D	-N	1	P	1834	145	1.6	E
PALE	10	1840E	1844U	1922D	N08	W18	.303	13790	9.4	42D	-N	2	C		118		DE
MCMA	10	1842E		1853D	N08	W16	.275	13790	9.6	110	-B		P	1842	125	1.4	BE
	10	1939	2000	NO FLARE PATROL													
	10	2005	2011	NO FLARE PATROL													
677 PALE	10	2051	2058	2101D	N08	W19	.324	13790	9.4	10D	-F	2	C		51		
	10	2102	2231	NO FLARE PATROL													
	10	2236	2305	NO FLARE PATROL													
678 MITK	10	2305	2311	2326	N08	W19	.324	13790	9.5	21	-F		C	2311	50	.6	D
679 MITK	11	0110	0113	0124	N07	W22	.372	13790	9.4	14	-N		C	0113	170	1.8	
680 MITK	11	0120	0140	0209	N13	W29	.439	13790	9.9	49	-B		C	0140	170	2.0	E
681 MITK	11	0326	0328	0344	N09	W23	.390	13790	9.4	18	-N		C	0328	170	1.8	
682 MITK	11	0421		0428	N08	W24	.404	13790	9.4	7	-F		F	0421	80	.9	D
683 TEHR	11	0629E	0633	0637D	N04	W81	.987	13786	5.2	8D	-N	3	C		34		F
684 UPIC	11	0635E	0635U	0655	N07	W25	.420	13790	9.4	20D	-F		P	0635	122		F

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION	IMPORTANCE	OBS.		MEASUREMENTS			REMARKS
	DATE 1975 AUG	START	MAX. PHASE	END	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	McMATH PLAGE REGION	CMP. DAY	MIN.		CONG.	TYPE	TIME UT	MEAS. AREA Mill. of Disk	CORR AREA Sq. Deg.	
GRP62685	11	0720+8	0725 0731+0	0736	N08	W25	.420	13790	9.4	16	-N				110	1.2	DJ
CATA	11	0720	0725	0735	N08	W25	.420	13790	9.4	15	-N	1		0725	112	1.3	
ABST	11	0728	0731	0737	N08	W26	.436	13790	9.4	9	-F		C	0731	70	.8	DJ
MONT	11	0728	0731	0736	N07	W24	.404	13790	9.5	8	-N		C	0731	150		
686 UPIC	11	0810E	0815U	0830	N07	W27	.451	13790	9.3	20D	-F		P	0815	102		F
687 CATA	11	1035E	1040	1100	N08	W26	.436	13790	9.5	25D	-N	3		1040	84	1.0	
688 BUCA	11	1150		1300	N09	W24	.405	13790	9.7	70	-F		P	1235	79	.9	E
689 BOUL	11	1625	1633	1657	N03	W82	.990	13786	5.5	32	-F	2	C	1633	21	.7	
690 MCMA	11	1746	1749	1752	N07	W32	.527	13790	9.3	6	-F		C	1749	30	.4	D
	11	2145	2149	NO FLARE PATROL													
	11	2245	2303	NO FLARE PATROL													
	11	2314	2321	NO FLARE PATROL													
	11	2343	0004	NO FLARE PATROL													
	12	0006	0026	NO FLARE PATROL													
	12	0034	0043	NO FLARE PATROL													
	12	0104	0106	NO FLARE PATROL													
GRP62691	12	0144E	0155+0	0204	N05	W37	.600	13790	9.3	20	-F				20	.3	D
PALE	12	0144E	0155	0204	N05	W38	.613	13790	9.2	20D	-F	2	C		20		DE
PALE	12	0144E	0155	0204	N05	W38	.613	13790	9.2	20D	-F	2	V		20		DE
MITK	12	0149	0207	0222	N04	W36	.587	13790	9.4	33	-N		C	0207	70	.9	D
692 PALE	12	0301	0303	0314	N07	W38	.612	13790	9.3	13	-F	3	V		14		DE
GRP62693	12	0350+0	0352+0	0407	N05	W37	.600	13790	9.4	17	-N				60	.8	F
MITK	12	0350	0352	0355	N06	W34	.556	13790	9.6	5	-N		C	0352	90	1.2	E
PALE	12	0350	0352	0407	N05	W38	.613	13790	9.3	17	-N	3	C		52		F
PALE	12	0350	0352	0407	N05	W38	.613	13790	9.3	17	-N	3	V		52		F
GRP62694	12	0616+4	0618+6	0640	N08	W38	.612	13790	9.4	24	-F						E
TEHR	12	0616E	0619	0623	N09	W37	.598	13790	9.5	7D	-F	4	V		18		F
MITK	12	0617	0618	0638	N06	W36	.585	13790	9.6	21	-F		C	0618	80	1.0	E
ATHN	12	0617	0620	0632	N06	W39	.626	13790	9.3	15	-N	4	V		32		DE
ATHN	12	0617	0620	0632	N06	W39	.626	13790	9.3	15	-N	4	C		32		DE
UPIC	12	0620	0625	0635	N08	W38	.612	13790	9.4	15	-F		P	0625	82		F
BUCA	12	0620	0626	0650	N08	W38	.612	13790	9.4	30	1F		C	0626	171	2.2	
CATA	12	0620	0620	0650	N09	W37	.598	13790	9.5	30	-N	3		0620	112	1.4	
ATHN	12	0623	0625	0635	N06	W33	.542	13790	9.8	12	-F	4	V		16		DE
ATHN	12	0623	0625	0635	N06	W33	.542	13790	9.8	12	-F	4	C		16		DE
MANI	12	0629E	0629U	0636D	N07	W39	.626	13790	9.3	7D	-F	2	V	0629	60	.7	F
HURB	12	0631E	0643	0657D	N10	W47	.727	13790	8.7	26D	1F						E
GRP62695	12	0700	0715	0726	N09	W43	.678	13790	9.1	26	-N						E
BUCA	12	0700		0720	N08	W39	.625	13790	9.4	20	-F		C	0705	53	.7	
HURB	12	0703E	0715	0732D	N10	W47	.727	13790	8.8	29D	1B						E
GRP62696	12	0733	0735 0746	0820	N08	W37	.598	13790	9.5	47	-N						
HTPR	12	0733	0735	0739	N09	W36	.584	13790	9.6	6	-F		C	0735	30	.4	
HURB	12	0736E	0746	0755D	N09	W41	.652	13790	9.2	19D	1B						
BUCA	12	0745	0755	0820	N06	W36	.585	13790	9.6	35	-F		C	0756	47	.6	
HURB	12	0810E	0812	0832D	N11	W36	.586	13790	9.6	22D	1B						
GRP62697	12	0840+7	0851+5	0913	N09	W39	.625	13790	9.4	33	-N				100	1.3	I
BUCA	12	0840		0915	N10	W38	.612	13790	9.5	35	-N		C	0855	127	1.6	E
KIEV	12	0845E	0856	0916D	N08	W40	.639	13790	9.4	31D	1F		C	0856	350	4.7	I
HTPR	12	0847	0851	0904	N09	W40	.639	13790	9.4	17	-F		C	0851	30	.4	
HURB	12	0850E	0851	0904D	N10	W40	.639	13790	9.4	14D	-B						
UPIC	12	0855E	0855U	0910	N09	W39	.625	13790	9.4	15D	-F		P	0855	82		F
GRP62698	12	0915+3	0922+1	0939	N08	W38	.612	13790	9.5	24	-F				45	.6	EH
BUCA	12	0915		0950	N08	W37	.598	13790	9.6	35	-F		C	0925	63	.8	E
HTPR	12	0918	0922	0930	N07	W40	.639	13790	9.4	12	-N		C	0922	20	.3	E
ARCE	12	0919E		0946	N09	W39	.625	13790	9.5	27D	-F		P	0926	41	.5	H
TEHR	12	0920E	0923	0932	N08	W38	.612	13790	9.5	12D	-F	4	V		48		F
GRP62699	12	0953>9	0958 1019	1031	N06	W38	.612	13790	9.6	38	-N						
HURB	12	0953E	0958	1034D	N11	W37	.599	13790	9.6	41D	1N						
HTPR	12	1013	1013	1028	N06	W35	.571	13790	9.8	15	-F		C	1019	40	.5	

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION	IMPORTANCE	OBS.		MEASUREMENTS			REMARKS
	DATE 1975 AUG	START	MAX. PHASE	END	APPROX LAT.	APPROX MER. DIST.	CENTRAL DISTANCE	McMATH PLAGE REGION	CMP. DAY	MIN.		CONC	TYPE	TIME UT	MEAS. AREA Mill. of Disk	CORR AREA Sq. Deg.	
GRP62700	12	1055+5	1059+1	1106	N06	W48	.740	13790	8.9	11	-F				30	.4	K
BUCA	12	1055		1107	N09	W47	.727	13790	8.9	12	-F		C	1101	47	.7	
ATHN	12	1059E	1059U	1104	N03	W45	.742	13790	8.9	5D	-F	4	C		32		DE
ATHN	12	1059E	1059U	1104	N03	W48	.742	13790	8.9	5D	-F	4	V		32		DE
HTPR	12	1100	1100	1107	N08	W48	.739	13790	8.9	7	-N		C	1100	10	.1	DK
HTPR	12	1100	1103	1107	N08	W48	.739	13790	8.9	7	-N		C	1103	10	.1	DK
GRP62701	12	1110+4	1117+0 1133+4	1143	N09	W37	.598	13790	9.7	33	-N				30	.4	E
BUCA	12	1110		1204	N11	W38	.613	13790	9.6	54	-N		P	1135	95	1.2	E
RAMY	12	111+	1117	1120	N10	W34	.557	13790	9.9	6	-F	3	C		18		DE
RAMY	12	1114E	1117	1121D	N10	W35	.571	13790	9.8	7D	-F	3	V		18		DE
TEHR	12	1130	1137	1145	N09	W32	.527	13790	10.1	15	-N	4	V		24		DE
ATHN	12	1130E	1133	1141	N05	W41	.654	13790	9.4	11D	-N	4	V		32		DE
HTPR	12	1134	113+	114-2	N09	W39	.625	13790	9.6	8	-N		C	1134	30	.4	
RAMY	12	1134	1137	1139	N09	W36	.584	13790	9.8	5	-N	4	C		32		DE
RAMY	12	1135E	1137	1140D	N11	W35	.572	13790	9.9	5D	-N	4	V		27		DE
UPIC	12	1136E	1136U	1145	N09	W37	.598	13790	9.7	9D	-F		P	1136	41		
GRP62702	12	1252+2	1254+2	1257	N07	W48	.739	13790	8.9	5	-F				40	.6	D
ATHN	12	1252	1254	1301	N05	W45	.704	13790	9.2	9	-N	1		1254	16	.3	
ATHN	12	1252	1254	1259	N06	W50	.763	13790	8.8	7	-F	1		1254	16	.4	
HTPR	12	1254	1255	1257	N08	W50	.762	13790	8.8	3	-F		C	1255	10	.1	D
UPIC	12	1255E	1255U	1257	N09	W48	.738	13790	8.9	2D	-F		P	1256	61		
GRP62703	12	1300+0	1301+3	1311	N08	W38	.612	13790	9.7	11	-F						EJ
LVOV	12	1300	1304	1315	N08	W38	.612	13790	9.7	15	-F		C	1304	150	2.0	EJ
HTPR	12	1300	1301	1307	N09	W39	.625	13790	9.6	7	-F		C	1301	20	.3	
704 ATHN	12	1308	1309	1313	N06	W50	.763	13790	8.8	5	-F	1		1309	16	.4	
705 MCMA	12	1348	1350	1356	N07	W41	.652	13790	9.5	8	-F		C	1350	35	.5	D
GRP62706	12	1430+4	1432+3	1441	N06	W51	.774	13790	8.8	11	-F				25	.4	D
ATHN	12	1430	1432	1441	N05	W51	.774	13790	8.8	11	-F	1		1432	16	.4	
MCMA	12	1434	1435	1440	N08	W51	.773	13790	8.8	6	-F		C	1435	30	.5	D
GRP62707	12	1454+0	1455+1	1502	N08	W43	.678	13790	9.4	8	-N				50	.7	DJ
HTPR	12	1454	1456	1502	N08	W43	.678	13790	9.4	8	-F		C	1456	30	.4	
MCMA	12	1454	1455	1500	N07	W42	.665	13790	9.5	6	-B		C	1455	50	.7	D
LVOV	12	1454	1455	1510	N08	W43	.678	13790	9.4	16	1F		C	1456	150	2.2	DJ
GRP62708	12	1623+5	1626+5	1643	N08	W40	.639	13790	9.7	20	-N				60	.8	
ATHN	12	1623	1625	1633	N06	W42	.666	13790	9.5	10	-N	1		1626	82	.9	
HTPR	12	1623	1627	1638	N09	W42	.665	13790	9.5	15	-N		C	1626	20	.3	
UPIC	12	1625	1627	1645	N10	W42	.665	13790	9.5	20	-F		P	1627	82		F
HTPR	12	1627	1628	1640	N09	W47	.727	13790	9.2	13	-N		C	1628	10	.1	D
RAMY	12	1627	1631	1649	N09	W37	.598	13790	9.9	22	-N	4	C		36		FDE
RAMY	12	1628	1631	1643	N08	W35	.570	13790	10.1	15	-N	3	V		45		DE
GRP62709	12	1647	1649+2	1655	N08	W46	.715	13790	9.2	8	-F				20	.3	D
HTPR	12	1647	1649	1655	N08	W45	.703	13790	9.3	8	-N		C	1649	20	.3	D
PALE	12	1650E	1651U	1657D	N08	W47	.727	13790	9.2	3D	-F	2	C		20		DE
PALE	12	1650E	1651U	1653D	N08	W47	.727	13790	9.2	3D	-F	2	V		20		DE
GRP62710	12	1711+1	1714+0	1719	N08	W51	.773	13790	8.9	8	-F				80	1.3	
BOUL	12	1711D	1714U	1719	N08	W48	.739	13790	9.1	8D	-F	1	P	1714	107	1.6	
HTPR	12	1712	1714	1719E	N08	W54	.804	13790	8.7	7D	-N		C	1714	50	.8	
	12	1835	1842	NO FLARE PATROL													
	12	1843	1844	NO FLARE PATROL													
	12	1907	1924	NO FLARE PATROL													
GRP62711	12	2056+0	2100+0	2116	N07	W47	.727	13790	9.3	20	-F				40	.6	D
PALE	12	2056	2100	2116	N07	W47	.727	13790	9.3	20	-F	3	V		37		DE
PALE	12	2056	2100	2116	N07	W47	.727	13790	9.3	20	-F	3	C		37		DE
PALE	12	2056	2100	2116	N07	W47	.727	13790	9.3	20	-F	3	C		37		DE
MCMA	12	2058E		2105E	N07	W47	.727	13790	9.3	7D	-N		F	2102	30	.5	D
712 MANI	13	0218E	0218U	0224D	N11	W48	.738	13790	9.5	6D	-F	3	V	0218	30	.5	FH
GRP62713	13	0236+2	0240+0	0250	N09	W49	.750	13790	9.4	14	-F				60	.9	
TEHR	13	0236	0240	0250	N12	W49	.750	13790	9.4	14	-F	2	V		21		F
PALE	13	0238	0240	0250	N08	W49	.750	13790	9.4	12	-N	3	V		58		
PALE	13	0238	0240	0246D	N08	W49	.750	13790	9.4	8D	-F	2	C		58		DE
714 PALE	13	0302E	0303U	0310	N08	W49	.750	13790	9.5	8D	-N	2	C		54		DE

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION	IMPORTANCE	OBS.		MEASUREMENTS			REMARKS
	DATE 1975 AUG	START	MAX. PHASE	END	APPROX LAT.	APPROX MER. DIST.	CENTRAL DISTANCE	McMATH PLAGE REGION	CMP. DAY	MIN.		COND.	TYPE	TIME UT	MEAS. AREA Millionths of Disk	CORR AREA Sq. Deg.	
715 PALE	13	0336	0344	0345	N08	W49	.750	13790	9.5	9	-N	2	C		67		DE
GRP62716	13	0525E	0527+5	0535	N10	W50	.761	13790	9.5	10	-N				50	.8	H
ATHN	13	0525E	0527	0533	N09	W50	.761	13790	9.5	8D	-N	5	V		64		DE H
TEHR	13	0529E	0532	0537	N12	W51	.772	13790	9.4	8D	-N	2	V		40		F
717 HURB	13 IMP.1	0618E NO	0649 HTPR2	0710D MONT2	N08	W52	.783	13790	9.4	52D	?B						
GRP62718	13	0712>9	0718 0730	0730D	N10	W51	.772	13790	9.5	18	1B						E
HURB	13	0712E	0718	0730D	N10	W50	.761	13790	9.6	18D	1B						E
CATA	13	0725	0730	0730D	N10	W53	.793	13790	9.3	5D	-N	3		0730	28	.5	
GRP62719	13	0746+1	0748+0	0755	N08	W51	.773	13790	9.5	9	-N				15	.2	K
HURB	13	0732E	0734	0804D	N10	W50	.761	13790	9.6	32D	1B						EK
HTPR	13	0746	0750	0755	N07	W53	.794	13790	9.3	9	-F		C	0750	10	.2	DK
HTPR	13	0746	0748	0755	N07	W53	.794	13790	9.3	9	-F		C	0748	10	.2	DK
MONT	13	0747	0748	0754	N07	W51	.773	13790	9.5	7	-F		C	0748	20		D
GRP62720	13	0805+5	0814+2	0826	N08	W52	.783	13790	9.4	21	-N						D
CATA	13	0805	0815	0825	N09	W52	.783	13790	9.4	20	-B	3		0815	56	.9	
HTPR	13	0805	0816	0826	N07	W53	.794	13790	9.4	21	-N		C	0816	10	.2	D
HURB	13	0806E	0814	0826D	N10	W50	.761	13790	9.6	20D	1B						
MONT	13	0810	0815	0826	N07	W51	.773	13790	9.5	16	-F		C	0816	20		D
ZURI	13	0814E	0816	0826	N07	W52	.784	13790	9.4	12D	-N		P	0816	50	.8	
GRP62721	13	1200+4	1204+2	1218	N14	W60	.860	13790	9.0	18	-F				60	1.2	
BUCA	13	1200		1215	N15	W60	.861	13790	9.0	15	-F		P	1205	63	1.2	
ZURI	13	1202	1204	1218	N13	W62	.877	13790	8.9	16	-F		C	1204	61	1.3	
ATHN	13	1204	1206	1221	N13	W57	.833	13790	9.2	17	-N	5	V		48		FDE
722 CATA	13	1425E	1430	1430	N10	W58	.843	13790	9.3	5D	-N	3		1430	28	.5	
723 PALE	13	2339E	2341	2346D	N08	W47	.727	13790	10.5	7D	-F	2	C		38		DE
	14	0108	0115	NO FLARE PATROL													
GRP62724	14	0116E	0122	0132	N07	W62	.879	13790	9.4	16	-N				70	1.5	E
PALE	14	0116E	0122U	0128D	N08	W61	.870	13790	9.5	12D	-N	2	C		80		DE
MITK	14	0116		0132	N06	W63	.888	13790	9.3	16	-N		C	0116	60	1.3	E
725 CULG	14	0221E	0222	0225D	N05	W69	.931	13790	8.9	4D	-F		C	0222	40	1.1	
GRP62726	14	0508+0	0512+0	0517	N08	W62	.878	13790	9.6	9	-N				20	.4	FH
ATHN	14	0508	0512	0517	N08	W62	.878	13790	9.6	9	-N	4	C		16		F H
ATHN	14	0508	0512	0517	N08	W62	.878	13790	9.6	9	-N	4	V		16		F H
GRP62727	14	0609+0	0610+0	0614	S33	W70	.975	13803	3.0	6	-F				30		F
ATHN	14	0608	0610	0614	S33	W70	.975	13803	9.0	6	-F	4	V		32		F
ATHN	14	0608	0610	0614	S33	W70	.975	13803	9.0	6	-F	4	C		32		F
GRP62728	14	0659+0	0705+0	0709	N11	W89	.999	13790	7.6	10	-B				30		F
ATHN	14	0659	0705	0709	N11	W89	.999	13790	7.6	10	-B	4	C		32		F
ATHN	14	0659	0705	0709	N11	W89	.999	13790	7.6	10	-B	4	V		32		F
GRP62729	14	0700+6	0705+2	0713	N09	W64	.894	13790	9.5	13	-N				30	.7	F
WEND	14	0700		0846	N08	W66	.909	13790	9.3	106	1N		V		500	12.0	
CATA	14	0705	0705	0715	N10	W66	.909	13790	9.3	10	1N	3		0705	84		
ATHN	14	0706	0707	0710	N09	W63	.886	13790	9.6	4	-N	4	C		32		F
ATHN	14	0706	0707	0710	N09	W63	.886	13790	9.6	4	-N	4	V		32		F
GRP62730	14	0735>9	0747+4	0802	N08	W64	.894	13790	9.5	27	-N						
HURB	14	0735E	0747	0809D	N09	W63	.886	13790	9.6	34D	1B						
MEUD	14	0750	0751	0754	N07	W66	.910	13790	9.4	4	-F		C	0751	30		
731 HTPR	14	0816	0822	0830	N08	W70	.936	13790	9.1	14	-F		C	0822	10		D
GRP62732	14	0938+7	0941+6	0955	N10	W69	.929	13790	9.2	18	1B				70		EH
ARCE	14	0926E		0945D	N10	W75	.962	13790	8.8	19D	-B		C	0941	57		H
TEHR	14	0938E	0941	1006D	N11	W64	.893	13790	9.6	28D	-N	4	V		73		DE
HURB	14	0939E	0947	1010D	N09	W63	.923	13790	9.3	31D	1B						E
ATHN	14	0939E	0941	0951	N10	W64	.894	13790	9.6	12D	1B	4	C		128		DE H
ATHN	14	0939E	0941D	0941D	N10	W64	.894	13790	9.6	2D	1B	4	V		64		DE
ZURI	14	0940	0942	0958	N10	W72	.947	13790	9.0	18	1B		C	0942	82		
HTPR	14	0940	0942	0955	N08	W71	.942	13790	9.1	15	-N		C	0942	30		
MEUD	14	0943	0944	0952	N08	W71	.942	13790	9.1	9	-N		C	0944	70		
CATA	14	0945	0945	0950	N10	W70	.935	13790	9.2	5	1N	1		0945	84		

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION	IMPORTANCE	OBS		MEASUREMENTS			REMARKS
	DATE 1975 AUG	START	MAX. PHASE	END	APPROX LAT.	APPROX LONG. DIST.	CENTRAL DISTANCE	McMATH PLAGE REGION	CMP. DAY	MIN.		CONG	TYPE	TIME UT	MEAS. AREA Mill. of Disk	CORR AREA Sq. Deg.	
GRP62733	14	0958+2	1000+2	1005	N07	W69	.930	13790	9.2	7	-F				40		
HTPR	14	0958	1001	1006	N05	W68	.925	13790	9.3	8	-F		C	1001	50		
ZURI	14	0958	1000	1006	N07	W67	.917	13790	9.4	6	-F		C	1000	82		
ATHN	14	1000	1002	1003	N08	W70	.936	13790	9.2	3	-N	4	C		32		DE
ATHN	14	1000	1002	1003	N08	W70	.936	13790	9.2	3	-N	4	V		32		DE
GRP62734	14	1004+0	1005+0	1007	N17	W76	.965	13790	8.7	3	-F				30		
ATHN	14	1004	1005	1007	N17	W76	.965	13790	8.7	3	-F	4	V		32		DE
ATHN	14	1004	1005	1007	N17	W76	.965	13790	8.7	3	-F	4	C		32		DE
GRP62735	14	1030+5	1032>9 1051	1121	N07	W68	.924	13790	9.3	51	1N				130		EHKUZ
HTPR	14	1030	1043	1044D	N06	W69	.931	13790	9.3	14D	-N		C	1043	50		K
HTPR	14	1030	1034	1047E	N07	W69	.930	13790	9.3	15D	-N		C	1034	40		EK
ATHN	14	1031	1041	1131	N09	W71	.941	13790	9.1	60	1B	4	C		112		Z U
UPIC	14	1031	1100	1120	N07	W67	.917	13790	9.4	49	-N		P	1100	61		K
HURB	14	1032E	1032	11340	N08	W64	.894	13790	9.6	62D	1B						K
ZURI	14	1032	1034	1116	N07	W67	.917	13790	9.4	44	-B		C	1034	82		
MEUD	14	1034	1037	1119	N07	W68	.924	13790	9.3	41	-N		C	1054	70		
CATA	14	1035	1035	1110	N09	W67	.916	13790	9.4	35	1B	3		1035	84		
TEHR	14	1040E	1042	11300	N07	W68	.924	13790	9.3	50D	1B	4	V		136		DE H
WEND	14	1040		1120	N08	W66	.909	13790	9.5	40	1N		V				
RAMY	14	1043E	1045	11220	N07	W70	.936	13790	9.2	39D	1N	4	C		150		DE
RAMY	14	1043E	1045D	1045D	N07	W70	.936	13790	9.2	2D	1N	4	V		150		DE
RAMY	14	1045E	1051U	1122	N05	W68	.925	13790	9.3	37D	1N	3	C		117		DE
HTPR	14	1054E	1054	1115	N06	W69	.931	13790	9.3	21D	-N		C	1054	40		B
MCMA	14	1100E		1106D	N06	W66	.910	13790	9.5	6D	-N		C	1101	50	1.4	BD
736 ZURI	14	1128	1130	1134	N05	W75	.964	13790	8.9	6	-F		C	1130	50		
GRP62737	14	1149+6	1151+5	1201	N08	W69	.930	13790	9.3	12	-N				40		DU
TEHR	14	1149E	1151	11590	N10	W70	.935	13790	9.2	10D	-N	4	V		59		DE
ATHN	14	1151E	1151U	1204	N08	W71	.942	13790	9.2	13D	-B	4	C		32		UDE
MCMA	14	1151	1155	1201	N06	W66	.910	13790	9.5	10	-N		C	1155	30	.8	D
UPIC	14	1155	1156	1200	N06	W69	.931	13790	9.3	5	-F		P	1156	41		
CATA	14	1155	1155	12000	N09	W69	.929	13790	9.3	5D	-B	3		1155	56		
GRP62738	14	1232+4	1238+6	1301	N09	W69	.929	13790	9.3	29	-F						K
HURB	14	1232E	1244	13120	N09	W67	.916	13790	9.5	40D	1F						K
ZURI	14	1236	1238	1250	N10	W72	.947	13790	9.1	14	-F		C	1238	50		
GRP62739	14	1326+0	1328+0	1334	N07	W71	.942	13790	9.2	8	-F						D
HURB	14	1326E	1328	13360	N08	W75	.963	13790	8.9	10D	-N						
MCMA	14	1326	1328	1331	N06	W68	.924	13790	9.5	5	-F		C	1328	20	.6	D
GRP62740	14	1453+3	1455+4	1505	N07	W73	.953	13790	9.1	12	-F				50		DJ
RAMY	14	1453	1458	1505	N05	W72	.949	13790	9.2	12	-F	3	C		54		DE
HUAN	14	1454		1504	N06	W73	.954	13790	9.1	10	-F	1	C	1459	30		
MCMA	14	1454	1455	1501	N06	W75	.964	13790	9.0	7	-B		C	1455	25	1.0	D
UPIC	14	1455	1456	1505	N07	W71	.942	13790	9.3	10	-F		P	1456	61		
LVOV	14	1455	1457	1514	N07	W70	.936	13790	9.4	19	1F		C	1457	100		DJ
ZURI	14	1456	1456	1504	N07	W72	.949	13790	9.2	8	-N		C	1456	66		
ATHN	14	1457E	1459	1506	N08	W76	.967	13790	8.9	9D	-F	4	C		48		DE
ATHN	14	1457E	1459	1506	N08	W76	.967	13790	8.9	9D	-F	4	V		48		DE
MEUD	14	1458	1459	1507	N07	W70	.936	13790	9.4	9	-N		C	1459	70		
741 HUAN	14	1700		1718	S11	E20	.447	13796	16.2	18	-F	2	C				
742 BOUL	14	1708	1714	1720	N09	W76	.967	13790	9.0	12	-F	2	C	1714	32	1.0	
743 HUAN	14	1824	1826	1831	N09	W80	.982	13790	8.8	7	-F	1	C	1826	25		D
GRP62744	14	1949+0	1950+1	1958	N08	W78	.975	13790	9.0	9	-F				40		
HUAN	14	1949		1958	N08	W82	.988	13790	8.7	9	-N	1	C	1955	30		
BOUL	14	1949	1951	2010	N08	W79	.979	13790	8.9	21	-F	2	C	1950	42	1.4	
MCMA	14	1949	1950	1958	N09	W80	.982	13790	8.8	9	-N		C	1950			
PALE	14	1950E	1951U	1952D	N08	W72	.947	13790	9.4	2D	-F	2	C		37		DE
	14	2140	2237	NO FLARE PATROL													
745 BOUL	14	2253	2254	2306	N09	W72	.947	13790	9.6	13	-F	1	C	2254	10	.3	
	15	0017	0020	NO FLARE PATROL													
	15	0053	0100	NO FLARE PATROL													
746 CATA	15	0735	0740	0750	N09	W79	.979	13790	9.4	15	-F	3		0740	28		

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION	IMPORTANCE	OBS.		MEASUREMENTS			REMARKS
	DATE 1975 AUG	START	MAX. PHASE	END	APPROX LAT.	APPROX MER. DIST.	CENTRAL DISTANCE	McMATH PLAGE REGION	CMR DAY	MIN.		CONG	TYPE	TIME UT	MEAS. AREA Mill. of Disk	CORR AREA Sq. Deg.	
GRP62747	15	0907+3	0909+2	0918	N08	W81	.985	13790	9.3	11	-B				20		
TEHR	15	0907E	0909	0919D	N08	W83	.991	13790	9.2	12D	-B	3	C		24		DE
ATHN	15	0908E	0908U	0918	N08	W80	.982	13790	9.4	10D	-B	4	C		16		DE
ATHN	15	0908E	0908U	0918	N08	W80	.982	13790	9.4	10D	-B	4	V		16		DE
CATA	15	0910	0910	0915	N10	W80	.982	13790	9.4	5	-N	3		0910	28		
748 CATA	15	1010	1020	1025	N09	W80	.982	13790	9.4	15	-N	3		1020	28		
GRP62749	15	1454+2	1502 1510+4	1535	N06	W85	.995	13790	9.2	37	-N				50		DHJ
HUAN	15	1458		1505	N08	W88	.999	13790	9.0	7	-F	1	C				D
BOUL	15	1500	1502	1512	N08	W79	.979	13790	9.7	12	-F	2	C	1502	10	.4	
LVOV	15	1500	1514	1542	N06	W87	.998	13790	9.1	42	1F		C	1514	100		DHJ
BCUL	15	1506	1510	1528D	N06	W82	.989	13790	9.5	22D	-N	2	C	1510	42	1.5	
HUAN	15	1508	1512	1535	N06	W88	.999	13790	9.0	27	-N	1	C	1512	30		
ZURI	15	1515E	1515	1534	N06	W84	.993	13790	9.3	19D	1N		P	1515	63		
750 HUAN	15	1631	1642	1646	S12	E77	.981	13807	21.5	15	-F	2	C	1642	25		D
751 HUAN	15	1720		1746	S11	E77	.980	13807	21.5	26	-F	1	C	1742	30		
752 HUAN	15	1829	1833	1837	S10	E75	.972	13807	21.4	8	-F	1	C	1833	30		E
	15	1920	1940	NO FLARE PATROL													
753 MANI	16	0200E	0202	0214D	N09	W86	.996	13790	9.6	14D	-F	3	V	0202	20	.6	
GRP62754	16	0455E	0455	0502	N02	E72	.950	13805	21.6	7	-F						
ATHN	16	0455E	0455U	0502	N02	E72	.950	13808	21.6	7D	-F	4	C		48		DE
ATHN	16	0455E	0455U	0502	N02	E72	.950	13808	21.6	7D	-F	4	V				DE
GRP62755	16	0815	0815+3	0830	S12	E62	.902	13807	21.0	15	-B				30	.7	
CATA	16	0815	0815	0830	S13	E63	.911	13807	21.1	15	-N	3		0815	28		
ATHN	16	0816E	0818	0830	S11	E62	.900	13807	21.0	14D	-B	4	V		32		DE
ATHN	16	0816E	0818	0830	S11	E62	.900	13807	21.0	14D	-B	4	C		32		DE
GRP62756	16	0854+0	0857+0	0900	S11	E62	.900	13807	21.0	6	-F				20	.4	
ATHN	16	0854	0857	0900	S11	E62	.900	13807	21.0	6	-F	4	C		16		DE
ATHN	16	0854	0857	0900	S11	E62	.900	13807	21.0	6	-F	4	V		16		DE
GRP62757	16	1425	1429+1	1433	S06	W14	.323	13796	15.6	8	-F				20	.2	
BOUL	16	1425	1430	1436	S05	W14	.313	13796	15.6	11	-F	2	C	1430	32	.3	
ATHN	16	1427E	1429	1433	S07	W14	.335	13796	15.6	6D	-F	3	C		16		DE
ATHN	16	1427E	1429	1433	S07	W14	.335	13796	15.6	6D	-F	3	V		16		DE
	17	0153	0201	NO FLARE PATROL													
	17	0228	0232	NO FLARE PATROL													
	17	0239	0243	NO FLARE PATROL													
758 HURB	17	0900E	0907	0913D	S10	E48	.773	13807	21.0	13D	-N						
759 HURB	17	1156E	1158	1208D	S10	E45	.741	13807	20.9	12D	-F						
760 HURB	17	1244E	1246	1254D	S10	E44	.730	13807	20.8	10D	-N						
761 HUAN	17	1410	1411	1415	N05	E67	.918	13808	22.6	5	-F	2	C	1411	15		D
762 HUAN	17	1628		1637	S11	E46	.756	13807	21.1	9	-F	2	C	1634	40	.6	E
	19	1823	1907	NO FLARE PATROL													
	19	1944	2000	NO FLARE PATROL													
763 WEND	20	0855		0910	N28	W56	.839	13811	16.2	15	-F		V				
	20	1512	1528	NO FLARE PATROL													
GRP62764	20	1721+7	1729+2	1742	N26	W65	.903	13811	15.8	21	-F				30		
HTPR	20	1721		1729D	N26	W67	.916	13811	15.7	7D	-F		C	1728	20		
RAMY	20	1723	1730	1742	N25	W65	.902	13811	15.8	19	-F	3	C		45		DE
PALE	20	1728	1731	1738	N28	W64	.898	13811	15.9	10	-F	3	C		28		DE
RAMY	20	1728E	1729U	1742	N26	W65	.903	13811	15.9	14D	-F	3	V		27		DE
	20	1925	1933	NO FLARE PATROL													
	20	1950	2050	NO FLARE PATROL													
	20	2147	2149	NO FLARE PATROL													
	21	0228	0230	NO FLARE PATROL													
765 WEND	21	0514		0528	N28	W70	.934	13811	16.0	14	-B		V				

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION	IMPORTANCE	OBS.		MEASUREMENTS			REMARKS
	DATE 1975 AUG	START	MAX. PHASE	END	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	McMATH PLAGE REGION	CMP. DAY	MIN.		CONF	TYPE	TIME UT	MEAS. AREA Mill. of Disk	CORR AREA Sq. Deg.	
766 WEND	21	0629		0641	N28	W70	.934	13811	15.0	12	-N		V				
767 ZURI	21	0734	0744	0752	N29	W72	.945	13811	15.9	18	-F		C	0744	53		
768 ARCE	21	0800E		0810	N26	W76	.963	13811	15.6	100	-F		C	0800	90		H
GRP62769	21	0835	0850	0854	S05	W68	.933	13796	15.3	19	-B						
ARCE	21	0835	0850	0900D	S05	W63	.899	13796	16.6	250	-B		C	0850	165	1.7	
ATHN	21	0833	0836	0847	S06	W71	.951	13796	16.0	9	-B	1		0838	16	.6	
GRP62770	21	0836+4	0838+1 0850+4	0909	N28	W72	.945	13811	16.0	29	-B				70		H
ZURI	21	0836	0850	0912	N25	W72	.945	13811	16.0	36	1B		C	0850	84		
MONT	21	0837	0839	0844	N27	W74	.954	13811	15.8	7	-F		C	0839	20		
ATHN	21	0838	0838	0906	N28	W72	.945	13811	16.0	28	-B	1		0838	33	1.2	
CATA	21	0840	0850	0900D	N28	W72	.945	13811	16.0	200	-B	3		0850	56		
MANI	21	0845E	0845U	0856D	N27	W72	.945	13811	16.0	110	1B	2	V	0945	100	2.3	
TEHR	21	0846	0854	0901	N27	W71	.940	13811	16.0	15	-B	4	V		70		H
MONT	21	0849	0852	0903	N27	W74	.954	13811	15.8	14	-F		C	0852	40		D
WEND	21	0850		0907	N28	W72	.945	13811	16.0	17	1B		V		400	10.7	
771 ATHN	21	0923	0927	0932	S07	W75	.971	13796	15.8	9	-N	1		0927	33	1.4	
GRP62772	21	0934E	0940	0951	N27	W73	.950	13811	15.9	17	-F						HK
ARCE	21	0859	0940	1000D	N26	W76	.963	13811	15.7	61D	-N	*	C	0940	81		KH
WEND	21	0934		0942	N28	W70	.934	13811	16.1	8	-F	*	V				
GRP62773	21	1449>9	1501+2	1515	N07	E16	.274	13808	22.8	26	-F				30	.3	
RAMY	21	1449	1501	1516	N08	E15	.257	13808	22.7	27	-F	3	C		18		FDE
HTPR	21	1455	1502	1515	N08	E15	.257	13808	22.7	20	-F		C	1502	30	.3	E
ATHN	21	1500	1503	1511	N06	E17	.291	13808	22.9	11	-N	1		1503	33	.6	
CATA	21	1500	1500	1500D	N07	E16	.274	13808	22.8		-F	3		1500	26	.3	
GRP62774	21	1509+6	1517+4	1547	N26	W74	.954	13811	16.1	38	1B						EU
WEND	21	1509		1542	N28	W76	.963	13811	15.9	33	1B		V		500	13.4	
HTPR	21	1515	1519	1545	N26	W77	.967	13811	15.9	30	-B		C	1519	50		E
RAMY	21	1515E	1517	1550D	N26	W71	.939	13811	16.3	35D	1B	4	C		190		DE
RAMY	21	1515E	1517	1550D	N26	W71	.939	13811	16.3	35D	1B	4	V		190		DE
ATHN	21	1519	1521	1538	N24	W76	.963	13811	15.9	19	-B	1		1521	50	2.1	
UPIC	21	1525E		1626	N27	W76	.963	13811	15.9	61D	2B		F	1525	163		U
GRP62775	21	1523	1532	1546	S06	W80	.987	13796	15.6	23	-N						D
HTPR	21	1523	1532	1536	S08	W80	.988	13796	15.6	13	-F		C	1532	20		D
UPIC	21	1525E		1555	S06	W80	.987	13796	15.6	30D	1N		F	1525	61		
776 BOUL	21	1720	1724	1732	N26	W75	.959	13811	16.1	12	-F	2	C	1724	21	.6	
	21	1844	1903	NO FLARE PATROL													
	21	1913	1916	NO FLARE PATROL													
	21	1922	1929	NO FLARE PATROL													
	21	1939	1942	NO FLARE PATROL													
GRP62777	21	1947+1	1949+5	2007	N26	W77	.967	13811	16.0	20	-B						H
RAMY	21	1947	1949	2002	N26	W77	.967	13811	16.0	15	-B	3	C		99		DE H
RAMY	21	1948	1953	2004	N25	W74	.954	13811	16.3	16	1B	3	V		155		DE H
BOUL	21	1950E	1954	2017D	N27	W77	.967	13811	16.1	27D	-B	2	F	1954	64	2.0	
HUAN	21	2000E		2010	N26	W80	.978	13811	15.8	10D	-F	1	P				
	21	2023	2107	NO FLARE PATROL													
	21	2211	2222	NO FLARE PATROL													
	21	2330	0015	NO FLARE PATROL													
GRP62778	22	0108E	0118+1	0144	N27	W81	.981	13811	16.0	36	1B				80		H
VORO	22	0108E	0119	0151	N28	W85	.991	13811	15.7	43D	1B		C	0118	100		H
PALE	22	0118E	0119	0137	N27	W78	.971	13811	16.2	19D	-B	3	C		62		DE
GRP62779	22	0441	0445+6	0501	N27	W83	.987	13811	16.0	20	-N				35		
TEHR	22	0441	0452	0501	N26	W84	.989	13811	15.9	20	-N	2	V		38		CE
ATHN	22	0444	0446	0501	N28	W82	.984	13811	16.0	17	-N	1		0446	33	1.5	
GRP62780	22	0509	0527+4	0540	N27	W85	.991	13811	15.8	31	1B				80		CHZ
ABST	22	0509	0525	0525D	N27	W89	.998	13811	15.5	16D	1N		P	0525	105		DZ
WEND	22	0520		0610	N28	W85	.991	13811	15.8	50	2B		V		600	16.0	
ATHN	22	0524	0527	0541	N28	W84	.989	13811	15.9	17	-B	4	V		48		FDE
TACH	22	0527E	0524	0533	N29	W85	.991	13811	15.9	6D	2F		V	0528	221		DH
TEHR	22	0523	0531	0539	N26	W84	.989	13811	15.9	10	-B	3	V		55		CE
UPIC	22	0523E	0530U	0540	N26	W84	.989	13811	15.9	11D	2B		P	0530	82		

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OBSERV-ATORY	OBSERVED UT				LOCATION					DURA-TION	IMPOR-TANCE	OBS.		MEASUREMENTS			REMARKS
	DATE 1975 AUG	START	MAX. PHASE	END	APPROX LAT.	APPROX MER. DIST.	CENTRAL DISTANCE	McMATH PLAGE REGION	CMR DAY	MIN.		CONC	TYPE	TIME UT	MEAS. AREA Mill. of Disk	CORR AREA Sq. Deg.	
GRP62781	22	0553+0	0559+6 0622	0630	N26	W84	.989	13811	15.9	37	1B				50		AK
UPIC	22	0553	0559	0630	N26	W85	.991	13811	15.9	37	1B		P	0559	61		K
ATHN	22	0553	0605	0617	N28	W84	.989	13811	15.9	24	1B	+	V		48		DE
TEHR	22	0558E	0604	0623	N26	W84	.989	13811	15.9	25D	-B	3	V		44		DE
CULG	22	0602E	0603	0623D	N25	W85	.992	13811	15.9	21D	-B		F	0603	50	2.0	
CATA	22	0605E	0605	0645	N28	W82	.984	13811	16.1	40D	1B	1		0605	112		
HURB	22	0612E	0622	0654D	N26	W83	.987	13811	16.0	42D	1B						A
782 UPIC	22	0710E		0710D	N26	W85	.991	13811	15.9		-F		P	0710	20		
GRP62783	22	0730E	0738	0749D	N26	W86	.993	13811	15.9	19	1F						A
ABST	22	0730	0731	0742	N27	W89	.998	13811	15.6	12	1F		C	0731	90		DJ
HURB	22	0732E	0738	0756D	N25	W84	.989	13811	16.0	24D	1N						A
GRP62794	22	0905>9	0913+6	0941	N26	W85	.991	13811	16.0	36	-N				35		AD
MONT	22	0905	0921	0928	N26	W80	.978	13811	16.4	23	-B		C	0921	40		D
ATHN	22	0913	0918	0943	N28	W85	.991	13811	16.0	30	-N	1		0918	33	2.5	
UPIC	22	0915	0920	0936	N25	W86	.994	13811	15.9	21	1N		P	0920	41		
HURB	22	0917	0923	0947	N25	W86	.994	13811	15.9	30	1B						A
TEHR	22	0924	0924	0939	N26	W86	.993	13811	15.9	15	-N	3	V		30		DE
HERS	22	0931E	0931U	0945	N25	W87	.995	13811	15.9	14D	1F		P	0931	189	3.9	C
GRP62785	22	1016+5	1028+2	1045	N26	W85	.991	13811	16.1	27	1B				40		AD
MONT	22	1014	1024	1032	N26	W81	.981	13811	16.4	14	-B		C	1026	40		D
HURB	22	1021	1029	1106	N25	W84	.989	13811	16.1	45	1B						A
UPIC	22	1023	1028	1044	N25	W87	.995	13811	15.9	21	1N		P	1028	41		
ATHN	22	1023	1030	1052	N28	W88	.996	13811	15.8	29	1B	1		1030	99	5.8	
TEHR	22	1026E	1028	1031	N26	W86	.993	13811	16.0	5D	-N	3	V		44		DE
HERS	22	1038E	1038U	1050	N25	W87	.995	13811	15.9	12D	1N		P	1038	236	4.9	D
786 ATHN	22 IMP.1	1035 NO	1038 MONT2	1050	S13	W24	.516	13807	20.6	15	? F	1		1038	247	5.0	
GRP62787	22	1158+3	1220+0 1230+9	1252	N27	W88	.996	13811	15.9	54	1B						A
RAMY	22	1158	1230	1254	N25	W87	.995	13811	16.0	56	-B	4	C				DE
UPIC	22	1159	1230	1254	N27	W89	.998	13811	15.8	56	2B		P	1230	82		
HURB	22	1201	1232	1316	N26	W87	.995	13811	16.0	75	2B						A
CATA	22	1205E	1210	1210D	N27	W83	.987	13811	16.3	5D	-F	3		1210	28		
ATHN	22	1210	1212	1213	N28	W89	.997	13811	15.8	3	-B	1		1212	16	1.0	
RAMY	22	1216E	1220U	1245D	N28	W88	.996	13811	15.9	29D	-N	4	V				DE
RAMY	22	1216E	1220U	1245D	N28	W88	.996	13811	15.9	29D	-N	4	C				DE
TEHR	22	1227E	1235	1246	N26	W88	.996	13811	15.9	19D	-B	3	V		40		DE
CATA	22	1230E	1230	1235D	N27	W93	.987	13811	16.3	5D	1B	3		1230	112		
HERS	22	1237E	1237U	1250	N25	W88	.997	13811	15.9	13D	2B		P	1238	346	7.1	D
ATHN	22	1238	1239	1250	N28	W89	.997	13811	15.9	12	-B	1		1239	33	1.9	
788 BOUL	22	1302	1304	1306D	N27	W84	.989	13811	16.2	4D	-F	1	P	1304	10	.4	
GRP62789	22	1335>3	1346+4	1401	N26	W87	.995	13811	16.0	26	-F				20		
UPIC	22	1335	1350U	1406	N26	W90	.999	13811	15.8	31	-F		P	1350	20		
HURB	22	1342E	1346	1406	N25	W89	.997	13811	16.0	24D	1N						
CATA	22	1345	1345	1350	N28	W84	.989	13811	16.3	5	-F	3		1345	28		
BOUL	22	1345	1347	1355	N27	W71	.939	13811	17.2	10	-F	2	C	1347	10	.3	
ATHN	22	1346	1348	1359	N28	W89	.997	13811	15.9	9	-N	1		1348	16	1.0	
GRP62790	22	1425+5	1430+3	1441	N27	W90	.998	13811	15.9	16	-F				20		
UPIC	22	1425U	1430U	1441U	N26	W90	.999	13811	15.9	16D	-F		P	1430	20		
BOUL	22	1427	1431	1442	N26	W90	.999	13811	15.9	15	-F	2	C	1431	10	.5	
ATHN	22	1430	1433	1439	N28	W89	.997	13811	15.9	9	-N	1		1433	16	1.2	
GRP62791	22	1715	1723+6	1742	N26	W89	.998	13811	16.0	27	-F				35		
BOUL	22	1715	1720	1742	N26	W90	.999	13811	16.0	27	-F	2	P	1720	21	.9	
PALE	22	1722E	1726U	1736D	N27	W88	.996	13811	16.1	14D	-N	3	C		45		
792 HUAN	22	1900		1907	N08	W02	.039	13808	22.6	7	-F	1	C				
	22	2021	2029	NO FLARE PATROL													
GRP62793	22	2217+4	2222+5	2240	N28	W90	.998	13811	16.2	23	1N				120		Y
RAMY	22	2217	2223	2235D	N27	W90	.998	13811	16.2	18D	-N	3	C				Y
BOUL	22	2220	2222	2300	N26	W90	.999	13811	16.2	40	1B	2	P	2222	107	4.5	
PALE	22	2221	2227	2238	N29	W90	.998	13811	16.2	17	1N	3	C		120		Y
PALE	22	2221	2227	2234D	N29	W90	.998	13811	16.2	13D	1N	3	V		120		Y
RAMY	22	2224E		2240E	N29	W90	.998	13811	16.2	16D	-N	3	V				Y
794 PALE	22	2348	2349	2353	N29	W90	.998	13811	16.2	5	-F	3	C		18		

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION	IMPORTANCE	OBS.		MEASUREMENTS			REMARKS
	DATE 1975 AUG	START	MAX. PHASE	END	APPROX LAT.	APPROX MER. DIST.	CENTRAL DISTANCE	McMATH PLAGE REGION	CMR DAY	MIN.		COND.	TYPE	TIME UT	MEAS. AREA Millionths of Disk	CORR AREA Sq. Deg.	
GRP62795	23	0047+2	0052+5	0107	N08	W03	.055	13808	22.8	20	-N				70	.7	CG
VORO	23	0047	0052	0107	N08	W04	.071	13808	22.7	20	-B		C	0052	90	.9	H
BOUL	23	0049	0057	0109	N06	W02	.039	13808	22.9	16	-F	1	C	0057	74	.8	
PALE	23	0049	0056	0107	N09	W02	.050	13808	22.9	18	-F	3	C		24		DE
796 ATHN	23	0454E	0454U	0457	N02	E24	.414	13816	25.0	3D	-N	3	C		32		DE
797 CATA	23	0845	0845	0900D	S12	W32	.602	13807	21.0	15D	-F	3		0845	56	.7	
	24	0116	0128	NO FLARE PATROL													
	24	0133	0135	NO FLARE PATROL													
	24	0143	0147	NO FLARE PATROL													
GRP62798	24	1444+0	1446+2 1456	1500	N09	W25	.420	13808	22.7	16	-N				90	1.0	HU
BOUL	24	1444	1456	1512	N08	W24	.404	13808	22.8	28	-N	1	P	1456	85	.9	
ATHN	24	1444	1448	1500	N09	W25	.420	13808	22.7	16	-F	4	C		96		U
ATHN	24	1444	1448	1500	N09	W25	.420	13808	22.7	16	-F	4	V		96		U
RAMY	24	1444E	1446	1457D	N09	W25	.420	13808	22.7	13D	-N	4	V		75		DE H
RAMY	24	1444E	1446	1457D	N08	W24	.404	13808	22.8	13D	-N	4	C		72		DE H
GRP62799	24	2024+2	2033 2042	2103	S11	W51	.807	13807	21.0	39	-F						U
PALE	24	2024	2033U	2055	S10	W52	.814	13807	21.0	31	-F	2	C		25		U
BOUL	24	2026	2042	2110	S12	W51	.811	13807	21.0	44	-F	2	C	2042	85	1.4	
GRP62800	25	0615+1	0614+2	0629	S12	W58	.872	13807	20.9	14	-N				90	1.8	EG
CATA	25	0615	0620	0630	S13	W57	.867	13807	21.0	15	-N	3		0620	56	1.2	
ABST	25	0616	0618	0628	S12	W60	.888	13807	20.8	12	1N		C	0618	122	2.5	EG
801 CATA	25	0755E	0755	0805D	S13	W06	.357	13818	24.9	10D	-N	3		0755	84	.9	
GRP62802	25	1306+5	1312+3 1324+6	1339	S13	W60	.890	13807	21.0	33	-F				50	1.1	U
BOUL	25	1306	1315	1339	S13	W61	.897	13807	21.0	33	-F	2	C	1315	53	1.1	
ATHN	25	1307	1312	1338	S12	W60	.888	13807	21.0	31	-F	4	C		48		UDE
ATHN	25	1307	1312	1338	S12	W60	.888	13807	21.0	31	-F	4	V		48		UDE
RAMY	25	1311	1324U	1348	S14	W60	.892	13807	21.0	35	-F	4	C		54		DE
RAMY	25	1325E	1330U	1337D	S12	W59	.880	13807	21.1	12D	-F	4	V		54		DE
803 PALE	25	1926	1933	1944	S13	W12	.396	13818	24.9	18	-F	3	C		28		DE
804 PALE	25	2022	2030	2038	S14	W12	.409	13818	24.9	16	-F	3	C		15		DE
	26	0144	0210	NO FLARE PATROL													
805 HTPR	26	0613	0617	0624	S14	W23	.516	13818	24.5	11	-F		C	0617	20	.2	
806 HTPR	26	0644	0651	0659	S14	W23	.516	13818	24.6	11	-F		C	0651	10	.1	
807 HTPR	26	0718	0723	0735	S14	W24	.527	13818	24.5	17	-F		C	0723	10	.1	
808 HTPR	26	0753	0754	0754	S12	W19	.451	13818	24.9	1	-F		C	0754	10	.1	
809 ABST	26	0755	0759	0810D	S14	W23	.516	13818	24.6	15D	-N		P	0759	105	1.2	CJZ
GRP62810	26	0845+6	0849+6	0904	S13	W20	.473	13818	24.9	19	-N				70	.8	EH
KHAR	26	0830E	0853	0913	S13	W19	.462	13818	24.9	43D	1N		V	0910		1.5	EH
HTPR	26	0845	0853	0908	S13	W21	.484	13818	24.8	23	-B		C	0853	100	1.1	E
MONT	26	0848	0852	0901D	S13	W19	.462	13818	24.9	13D	-N		C	0852	60		E
HERS	26	0849E	0849U	0857	S13	W13	.452	13818	25.0	8D	-N		P	0850	32	.7	D
ATHN	26	0851	0855	0904	S12	W21	.474	13818	24.8	13	-N	4	V		80		DE
ATHN	26	0851	0855	0904	S12	W21	.474	13818	24.8	13	-N	4	C		80		DE
GRP62811	26	1230+5	1232+5	1241	S12	W20	.462	13818	25.0	11	-N				70	.8	E
ATHN	26	1230	1232	1241	S12	W19	.451	13818	25.1	11	-N	4	V		96		DE
RAMY	26	1231	1235	1241	S13	W21	.484	13818	24.9	10	-F	4	C		54		DE
HTPR	26	1235	1237	1241	S12	W20	.462	13818	25.0	6	-N		C	1237	60	.6	E
812 BOUL	26	2235	2243	2310	N09	W56	.823	13808	22.7	35	-F	2	C	2243	42	.8	
GRP62813	28	0432E	0432	0437	S13	W40	.701	13818	25.2	5	-N				50	.7	
ATHN	28	0432E	0432U	0437	S13	W40	.701	13818	25.2	5D	-N	3	V		48		DE
ATHN	28	0432E	0432U	0437	S13	W40	.701	13818	25.2	5D	-N	3	C		48		DE
814 HURB	28	0850E	0852	0910D	S13	W53	.832	13818	24.4	20D	-N						
815 HURB	28	0916E	0918	0930D	S13	W46	.765	13818	24.9	14D	-N						

Hα SOLAR FLARES

AUGUST 1975

OBSERVATORY	OBSERVED UT				LOCATION					DURATION	IMPORTANCE	OBS.		MEASUREMENTS			REMARKS
					APPROX		CENTRAL DISTANCE	McMATH PLAGE REGION	CMP. DAY			CONC	TYPE	TIME UT	MEAS. AREA Mill. of Disk	CORR AREA Sq. Deg.	
	DATE 1975 AUG	START	MAX. PHASE	END	LAT.	LNGE DIST.				MIN.							
GRP62816	28	1003+2	1006+1	1017	S13	W45	.765	13818	25.0	14	-N				35	.5	
MONT	28	1003	1006	1015	S14	W44	.749	13818	25.1	12	-F		C	1006	40		
ATHN	28	1005	1007	1017	S12	W46	.761	13818	25.0	12	-N	4	C		32		DE
ATHN	28	1005	1007	1017	S12	W46	.761	13818	25.0	12	-N	4	V		32		DE
UPIC	28	1010E	1010U	1016	S13	W47	.775	13818	24.9	6D	-F		P	1010	41		
GRP62817	28	1036+0	1036+0	1043	N09	E80	.982	13826	4.4	7	-F				20		
ATHN	28	1036	1039	1043	N09	E80	.982	13826	3.4	7	-F	4	C		16		DE
ATHN	28	1036	1039	1043	N09	E80	.982	13826	3.4	7	-F	4	V		16		DE
GRP62818	28	1127+3	1131 1140	1155	S14	W47	.779	13818	25.0	28	-F						D
MCMA	28	1127	1131	1200	S15	W48	.793	13818	24.9	33	-N		C	1131	50	.8	D
UPIC	28	1130	1140	1150	S13	W47	.775	13818	25.0	20	-F		P	1140	61		
GRP62819	28	1259+5	1306+4	1323	S13	W47	.775	13818	25.0	24	-N				40	.6	D
MCMA	28	1259	1308	1322	S15	W49	.802	13818	24.9	23	-B		C	1306	50	.8	D
RAMY	28	1259	1310	1325	S14	W47	.779	13818	25.0	26	-N	4	C		27		DE
ATHN	28	1300	1307	1319	S12	W48	.782	13818	24.9	19	-B	4	V		32		DE
ATHN	28	1300	1307	1319	S12	W48	.782	13818	24.9	19	-B	4	C		32		DE
RAMY	28	1303E	1307	1316	S13	W44	.744	13818	25.2	13D	-N	4	V		27		DE
BOUL	28	1304	1308	1325	S13	W47	.775	13818	25.0	21	-N	2	C	1308	64	.9	
UPIC	28	1305E	1306	1325	S12	W48	.782	13818	24.9	20D	-N		P	1306	102		
TEHR	28	1306E	1310U	1325D	S12	W48	.782	13818	24.9	17D	-N	3	C		30		DE
TEHR	28	1306E	1310U	1325D	S12	W45	.792	13818	24.9	17D	-N	3	V		30		DE
GRP62820	28	1337+0	1339+0	1344	S12	W48	.782	13818	25.0	7	-N				20	.3	
ATHN	28	1337	1339	1344	S12	W48	.782	13818	25.0	7	-N	4	C		16		DE
ATHN	28	1337	1339	1344	S12	W48	.782	13818	25.0	7	-N	4	V		16		DE
821 PALE	28	1803	1806U	1819	S16	W54	.850	13818	24.7	16	-F	3	C		20		DE
GRP62822	28	2329E	2334 2343	2356D	S12	W54	.839	13818	24.9	27	-F						
PALE	28	2329E	2334	2356D	S12	W54	.839	13818	24.9	26D	-F	2	C		18		DE
CULG	28	2339E	2343	2356D	S13	W54	.841	13818	24.9	17D	-F		C	2343	60	1.0	
823 PALE	29	0219	0221	0232	S14	W57	.869	13818	24.8	13	-F	3	C		20		DE
824 ISTA	29	0650		0657	S13	W60	.890	13818	24.8	7	-F	*					
	30	0147	0154	NO FLARE PATROL													

DAILY FLARE INDICES

Includes all Flares

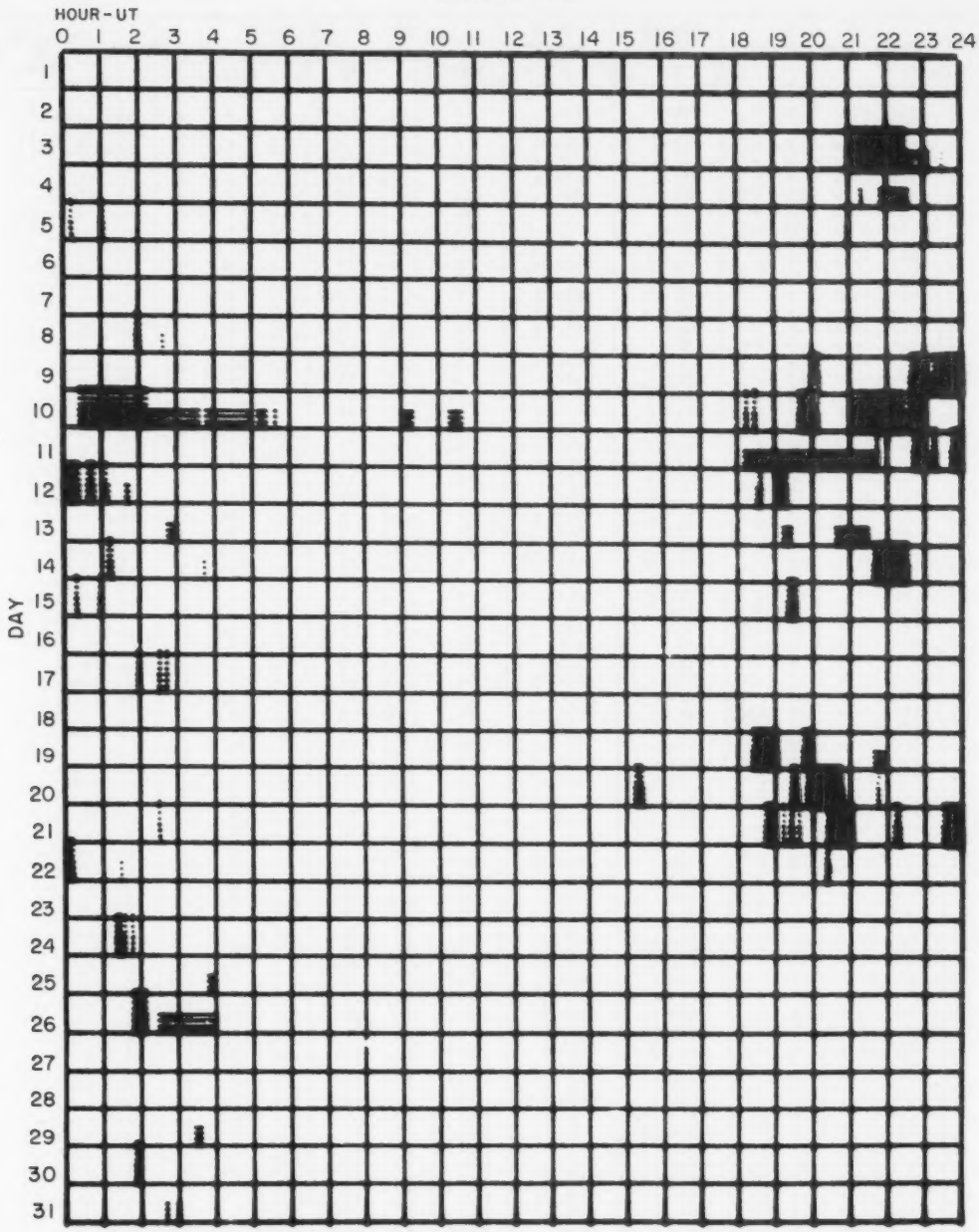
Date	Flare Index	HR. OBS.	Date	Flare Index	HR. OBS.	Date	Flare Index	HR. OBS.
750801.	24.99	24.0	750811.	50.12	23.2	750822.	37.67	23.9
750802.	38.71	24.0	750812.	40.82	23.0	750823.	11.24	24.0
750803.	96.39	22.4	750813.	33.74	24.0	750824.	6.18	23.7
750804.	53.53	24.0	750814.	33.07	22.9	750825.	21.43	24.0
750805.	32.04	23.8	750815.	5.75	23.5	750826.	24.21	23.6
750806.	85.29	24.0	750816.	2.59	24.0	750828.	11.68	24.0
750807.	146.83	24.0	750817.	8.44	23.7	750829.	1.69	24.0
750808.	35.31	23.8	750819.	0.00	23.0	750830.	0.00	23.9
750809.	50.14	22.6	750820.	2.45	22.5			
750810.	124.46	13.6	750821.	19.28	21.8			

When no Flare Index is given, it is 0 for that day.

INTERVALS OF NO FLARE PATROL OBSERVATION

FOR PRECEDING SOLAR FLARE TABLE

AUGUST 1975



Observatories included in total patrol:

Abastumani	Culgoora	Kharkov	McMath-Hulbert	Tachkent
Arcetri	Haute Provence	Kiev	Meudon	Tehran
Athenes	Herstmonceux	Kodaikanal	Mitaka	Upice
Boulder	Huancayo	Locarno	Monte Mario	Voroshilov
Bucharest	Hurbanovo	Lvov	Palehua	Wendelstein
Catania	Istanboul	Manila	Ramey	Zürich

Times of no flare patrol are shown by the shaded area for each day divided into times of no cinematographic patrol (bottom half of day) and times of neither visual nor cinematographic patrol (top half of day).

SOLAR RADIO EMISSION
OUTSTANDING OCCURRENCES

AUGUST 1975

AUG 1975	FREQUENCY	STATION	TYPE	STARTING TIME UT	TIME OF MAXIMUM UT	DURATION MINUTES	FLUX DENSITY 10^{-22} Wm^{-2} Hz^{-1} PEAK	FLUX DENSITY MEAN	INT	POLARIZATION OR REMARKS
1	2695	PENT	24O R	0100	0110	1	1.2	0.6		
	2695	PENT	24P R	0110		50 D	1.2			
	2000	TYKW	5 S	0129	0129.6	1.5	2	0.5		OR
	3750	TYKW	5 S	0129	0129.6	2	4	1.5		OL
	9400	TYKW	5 S	0129	0129.6	2	10	3		OL
	9400	TYKW	20 GRF	0300	0335	120	12	4		OL
	100	GORK	44 NS	0306 E		192		5		
	200	GORK	43 NS	0559		421 D		5		
	260	ONJR	44 NS	0650 E		514 D	20			
	3750	TYKW	45 C	0317	0321.4	6	10	6		OL
	3750	TYKW	28 PBI	0323		20	5	3		
	2695	MANI	1	0319.3	0321.2	5.4	5.2	1		
	2950	GORK	1 S	0319.3	0321.3	3.8U	7	3.5		
	2000	TYKW	45 C	0319	0320.7	4	4.5	2		OR
	2000	TYKW	29 PBI	0323		20	1	0.5		
	4800	MANI	4	0320	0325.9	6.3	27	10.8		
	4995	MANI	3	0320	0321.4	3.4	11.7	4.4		
	9650	IRKU	1 S	0506.7	0700	0.7	10			
	930	BORD	1 S	0813.8	0813.8	0.1	10	1		
	228	HARS	2 S	0912.5	0913.2	1.5	24	5		
	650	GORK	41 F	1120.2	1120.6	0.9	75	40		
	930	BORD	42 SER	1120.4	1120.8	0.5	10	2		
	650	GORK	40 F	1157.5	1159	2.2	10			
	2800	OTTA	32 ABS	1218	1243	74	-2	-1		
	2800	OTTA	1 S	1418	1419	3	1	0.5		
	2800	OTTA	24O R	1538	1628	50	2	1		
	2800	OTTA	24P R	1628		540 D	2			
	245	SGMR	48 C	2150.9	2153.2	2.9	872	174.4		
	410	SGMR	6 S	2151	2151.8	2.2	22.4	4.5		
	1000	TYKW	5 S	2252.6	2252.9	0.7	4	1		35R
	2695	PENT	21A GRF	2304		105	4.6	2.6		
	2695	PENT	20 GRF	2305	2327	38	2.6	1.3		
	2000	TYKW	5 S	2305	2325	35	1.3	0.6		OL
	3750	TYKW	5 S	2305	2325	35	3	1		OL
	1000	TYKW	42 SER	2321	2324.9	10	20	1		50L
	606	MANI	41	2323.7	2327.4	5.5	44.6	4.9		
	3750	TYKW	28 PRE	2444	0008	24	5	2		
	3750	TYKW	45 C	2408	2412.4	8	31	14		20L
	3750	TYKW	29 PBI	2416		90	6	4		
	2000	TYKW	28 PRE	2344	2407	23	2.2	1		
	2000	TYKW	45 C	2407	2412.4	10	20	8		02R
	2000	TYKW	29 PBI	2417		100	2.5	1.3		
	9400	TYKW	45 C	2356	0012.3	20	26	10		OL
	9400	TYKW	29 PBI	2416		150	13	9		
2	1420	BOUL	45 C	0006	0011.5	12	5	2		
	4995	BOUL	3 A	0007	0011.5	22.5	19	6		
	2695	BOUL	45 C	0007	0013	11.5	28	8		
	1000	TYKW	45 C	0007	0012.4	8	8	3		25L
	207	VORO	46 C	0007	0012	9	120			
	606	MANI	40	0007.5	0008.7	9.6	174	20.6		
	2695	PENT	45 C	0006	0012.6	14.5	27.8	6.4		
	2695	PENT		0006	0008.5	5	11			
	2695	PENT		0011	0012.6	9.5	27.8			
	4995	MANI	4	0008.1	0012.7	7.9	30.4	10.5		
	2695	MANI	4	0008.1	0012.7	7.9	34.2	13.7		
	8800	MANI	4	0009.5	0012.6	6.5	18	6		
	2930	VORO		0013	0019					
	8800	MANI	4	0031	0032.5	9.4	68	42		
	4995	MANI	4	0031	0032.4	9.5	17.7	12.6		
	200	GORK	44 NS	0304 E		112 D		30		
	100	GORK	44 NS	0306 E		108 D		5		
	260	ONJR	44 NS	0650 E		518 D	22			
	127	TORN	44 NS	0740 E		260 D				
	245	SGMR	44 NS	0940 E	2206.5	858 D	19.3			
	410	SGMR	43 NS	1924	2048.3	274 D	23.2			
	606	SGMR	43 NS	1954.1	2034.9	243.9D	9.4			
	207	VORO	44 NS	2100	0040	240	13			
	3100	CRIM	24 R	0712	0925		10			
	930	BORD	21 GRF	0723	0746.3	40	20	7		
	550	KIEV	1 S	0737.2	0737.4	0.5	25			
	550	KIEV	1 S	0741.4	0741.7	0.5	26			
	100	MIRA	45 C	0743.5	0744	1.5	200	90		ML
	9500	BERL	20	0923 E	0923		4.7			
	408	TRST	41	0943.9	0944.9	1.7	35			
	550	KIEV	6 S	0944.2	0944.8	1	25			
	228	HARS	46 C	0957.5	0958	3	27	5		
	221	ABST	6 S	0959	0959.2	2	36			
	29	UPIC	45 C	0959.3	0959.6	1.3				
	237	TRST	45	0959	0959.9	1.8	100			
	113	POTS	40 F	1018.9	1019	2.4	200	15		
	113	POTS	45 C	1058.9	1059.6	2.2	700	150		
	29	UPIC	3 S	1113.1	1113.4	1.4				
	1420	BOUL	1 F	1327.5	1328.5	2.5	2	1		

SOLAR RADIO EMISSION
OUTSTANDING OCCURRENCES

AUGUST 1975

AUG 1975	FREQUENCY	STATION	TYPE	STARTING TIME UT	TIME OF MAXIMUM UT	DURATION MINUTES	FLUX DENSITY 10^{-22} Wm^{-2} Hz^{-1} PEAK	FLUX DENSITY MEAN	INT	POLARIZATION OR REMARKS
	2695	BOUL	1 F	1327.5	1329.5	3.5	4	1		
	1470	BERL	1	1328.2	1328.5	1.3	1.2	0.6		
	930	BORO	45 C	1328.2	1328.6	0.7	9	2		
	3000	BERL	1	1328.3	1329	1.7	2.8	1.3		
	2800	OTTA	1 S	1328.5	1329.2	2.5	1.6	0.6		
	1420	BOUL	2 S	1357	1359.5	5.5	2	1		
	2695	BOUL	8 S	1359	1400.5	4	5	2		
	33	UPIC	8 S	1400.6	1400.6	0.7				
	29	UPIC	8 S	1400.7	1400.8	0.6				
	7000	SAOP	20 GRF	1447.9	1448.7	10.7	17.5	4.7		
	2800	OTTA	1 S	1448	1448.9	1	0.8	0.4		
	29	UPIC	8 S	1452.5	1452.8	0.7				
	33	UPIC	8 S	1452.8		1				
	29	UPIC	3 S	1456.3	1456.9	1.3				
	33	UPIC	3 S	1456.5	1457	1.8				
	2800	OTTA	26 FAL	1510	1540	30	-2.8	-1.4		
	2800	OTTA	20 GRF	1635	1647	55	1.6	0.8		
	4995	BOUL	1 S	1919.5	1921.5	6.5	11	3		
	4995	SGMR	20 GRF	1919.5	1921.9	13.5	10.9	6.6		
	2800	OTTA	20 GRF	1920	1922	15	1.4	0.7		
	8800	SGMR	22 GRF	1921.2	1922.4	12	10.8	6.5		
	2695	SGMR	2 S/F	1921.2	1922.3	8	3	.9		
	2800	OTTA	27A RF	1935		325	1.4	0.7		
	2800	OTTA	24 R	1935	2000	25	1.4	0.7		
	15400	SGMR	22 GRF	1936.9	2045	137.8	54.1	32.5		
	8800	SGMR	22 GRF	1938	2106.3	97.8	53	31.8		
	4995	SGMR	22 GRF	1939.2	2057.6	93.1	27.6	16.5		
	2695	SGMR	22 GRF	1940.3	2049.4	84.3	13	7.8		
	2800	OTTA	24PFR	2000		250	1.4			
	2800	OTTA	1 S	2005	2006	10	1.4	0.7		
	2800	OTTA	20 GRF	2015	2108	105	3	1.2		
	9400	TYKW	20 GRF	2220	2320	150	9	4		OL
3	3750	TYKW	5 S	2345	0012.9	60	6	2		OL
	4995	BOUL	8 S	0001.5	0002	2.5	11	3		
	2695	PENT	26 FAL	0010	0100	50	-2.8	-1.4		
	8800	PALE	1 S	0012 U	0012 U	4 U	13.2	3.9U		
	9400	TYKW	5 S	0012.5	0012.8	1	13	4		OL
	8800	MANI	3	0012.6	0012.9	2.2	26.2	9.5		
	4995	MANI	1	0012.6	0013	2.2	7.5	3.8		
	2695	PENT	240 R	0115	0130	15	1.4	0.7		
	3750	TYKW	20 GRF	0125	0230	90	3	1		OL
	2695	PENT	24P R	0130		30 D	1.4			
	1000	TYKW	5 S	0220	0230	20	0.8	0.3		
	2000	TYKW	20 GRF	0220	0230	40	1.2	0.4		OR
	200	GORK	44 NS	0303 E		117 D		50		
	100	GORK	44 NS	0303 E		117 D		20		
	200	HIRA	43 NS	0326	0513	314 D	90	25 D		WL
	100	HIRA	43 NS	0338	0450	302 D	550	70		MR
	260	ONDR	44 NS	0610 E		560 D	14			
	221	ABST	44 NS	0700	0717.8	240	8			
	127	TORN	44 NS	0700 E	1130 U	300 D	40 U			
	245	SGMR	43 NS	1200.2	1837.7	716.8D	57.4			
	606	SGMR	43 NS	1315	1316.8	642 D	8.8			
	410	SGMR	43 NS	1323	1409.2	634 D	2.1			
	207	VORO	44 NS	2100	0036	240	15			
	9400	TYKW	45 C	0320	0350.3	68	85	38		1OR
	9400	TYKW	29 FBI	0428		90	35	10		
	1000	TYKW	45 C	0327	0354.7	40	435	25		SL
	1000	TYKW	29 PBI	0407		40	4	1		
	1415	PALE	46 C	0328 U	0357 U	46 U	129.7	27.6U		
	1415	PALE	46 C		0358 U		137.8			
	2930	VORO	45 C	0328	0351	74	215			
	950	GORK	47 GB	0328.6		47.1U				
	606	MANI	40	0328.6	0351.6	63.9	62	16.4		
	1415	MANI	40	0328.6	0358.9	56.8	168	35.8		
	650	GORK	23 GRF	0328.9		78		2.8		
	2000	TYKW	45 C	0328	0350	40	83	15		02R
	2000	TYKW	29 PBI	0408		50	3	1		
	8800	PALE	40 F	0329 U	0350 U	99 U	89.1	26.7U		
	950	GORK	45 C	0329.3	0331.1	8.8	31			
	950	GORK		0329.3	0332.5		72			
	950	GORK		0329.3	0336.4		16			
	2695	MANI	22	0329.8	0350.5	39.6	56	18.9		
	4995	MANI	22	0329.9	0350.6	44.3	108	35.4		
	3750	TYKW	28 PRE	0315	0329	14	2	1		
	3750	TYKW	45 C	0329	0350.9	40	73	25		COMPLEX POL
	3750	TYKW	29 PBI	0409		100	12	4		079044F
	500	HIRA	27 RF	0329	0403	120	10	4		
	2950	GORK	46 C	0330.2	0332.5	23.3	40 U			
	8800	MANI	22	0330.9	0350.6	43.3	88	30.2		
	9650	IRKU	2 S	0335.6	0336.4	2.5	35			
	650	GORK	4 S/F	0335.8	0336.5	2.2	26	13		
	2930	VORO	47 GB	0336	0351	20	215			
	2930	VORO		0336	0337	3	209			

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3	2930	VORO	29 P8I	0356	0357	46	158			
	2930	VORO		0346	0351	8	215			
	2950	GORK		0336.5	0336.5	23.3	80 U			
	200	GORK	48 C	0339.4	0351.2	29.8	5000			
	200	GORK		0339.4	0357.9		3500			
	100	GORK	48 C	0339.5	0352	21	1300	160		
	650	GORK	46 C	0343.9	0351.5	25	60			
	500	HIRA	45 C	0344		16		40		
	200	HIRA	45 C	0344		22		140 D		
	200	HIRA		0344	0351 U		370 D			LR
	200	HIRA		0344	0357.8		370			LR
	500	HIRA		0344	0357.6		60			
	500	HIRA		0344	0351		85			
	950	GORK		0344.8	0353.4		156			
	950	GORK	45 C	0344.8	0347.4	13.5	153			
	950	GORK		0344.8	0354.8		340			
	228	HARS	28 PRE	0342.5	0343.5	1.5	15	8		
	228	HARS	47 GB	0344	0349	18	355	170		
	228	HARS		0345	0345.3	0.5	145			
	228	HARS		0355.5	0358	7.5	345			
	100	HIRA	45 C	0344	0352	42	230	100		ML
	2950	GORK		0351	0351		80 U			
	2950	GORK	29 P8I	0353.5	0357 U	30.5	20			
	650	GORK		0357.5	0357.5		37			
	228	HARS	40 F	0402	0404	4	24	15		
	1000	TYKW	45 C	0508	0512.5	6	4.5	1.5		
	606	MANI	45	0509.4	0512.8	10.4	11.8	8		
	1415	MANI	1	0510	0510.7	1	3.1	1.6		
	4995	MANI	1	0533.3	0533.7	1.5	4.1	2.1		
	8800	MANI	1	0533.3	0533.7	1.5	19.5	6		
	9650	IRKU	1 S	0533.3	0533.6	2.5	26			
	3750	TYKW	5 S	0533	0533.6	2	4	1		20L
	9400	TYKW	5 S	0533	0533.6	3	23	5		35L
	2000	TYKW	5 S	0621	0623	10	3	1		OR
	9240	ARCE	20	0746.1	0847.8	99				
	1470	BERL	20	0746.5	0747	7.5	0.8	0.4		
	3000	BERL	20	0746	0747	15	5	1.9		
	3100	GRIM	1 S	0746	0748	2	5	1		
	550	KIEV	4 SF	0846	0846.5	0.8	41			
	550	KIEV	46 C	0920.2		3.5	40			
	9240	ARCE	3	0951	0951.8	3.4				
	9240	ARCE	41	0951	1003.4	14				
	9500	BERL	1	0955.8	0956.3	2.2	7	3		
	9500	BERL	1	1002.2	1002.5	1.8	10	5		
	9240	ARCE	3	1003	1003.4	2				
	9240	ARCE	20	1214.4	1220.4	32				
	4995	SGMR	3 S	1217.8	1220.3	3	14	2.8		
	9400	HUAN	1 S	1218.6	1210.2	6.3	7.8	3.7		
	9500	BERL	1	1218.9	1220	21	10	5		
	8800	SGMR	3 S	1219.6	1220.4	3.1	14.1	2.8		
	6100	KISV	3 S	1250	1251	6	14			
	1470	BERL	22	1304.5	1306	28	2.2	0.9		
	9500	BERL	20	1305	1308	5	3	1.5		
	113	POTS	45 C	1307.6	1311.1	6.8	300	15		
	33	UPIC	46 C	1309.9	1312.7	21.3				
	29	UPIC	46 C	1310	1312.9	31.5				
	550	KIEV	27 RF	1353	1355	3.3	29			
	237	TRST	45	1354.4	1354.5	0.1	78	21		R
	2800	OTTA	21A GRF	1450	1610	155	3.2	1.8		
	2800	OTTA	1 S	1451	1451.3	1	1.2	0.6		
	2800	OTTA	250 R	1735	1855	80	4.4	2.2		
	1420	BOUL	2 S	1809.5	1811	4.5	4	1		
	7000	SAOP	3 S	1809.8	1810.6	2.4	29.4	14.1		52L
	8800	PALE	3 S	1810 U	1811 U	4 U	16.2	4.9U		
	606	SGMR	4 S/F	1810.3	1811.7	6.4	16.8	5		
	410	SGMR	6 S	1810.6	1811.7	4	7.8	2.3		
	9400	HUAN	3 S	1810.6	1811.4	2.5	14.3	5		L
	4995	SGMR	4 S/F	1810.7	1811.4	3.4	19.5	5.9		
	8800	SGMR	4 S/F	1810.7	1811.4	2.5	19.8	5.9		
	2695	SGMR	4 S/F	1810.7	1811.4	2.6	12.6	3.8		
	2800	OTTA	4 S/F	1810	1811.2	4	11.2	2.6		
	4995	BOUL	2 S	1810	1811	4.5	18	5		
	1415	PALE	1 S	1811 U	1812 U	4 U	3.2	.1U		
	1415	SGMR	1 S	1811	1812	5.3	3.6	1.1		
	2695	BOUL	2 S	1811	1812	4	9	3		
	8800	SGMR	22 GRF	1815	1837.9	45.1	16.8	10.1		
	4995	SGMR	22 GRF	1818.6	1836.5	125.4U	9	5.4		
	2695	SGMR	22 GRF	1821	1836.5	123 U	7.8	4.7		
	15400	SGMR	22 GRF	1821.1	1836.3	33.1	5.3	3.2		
	2800	OTTA	20 GRF	1832	1837	22	3.2	1.6		
	2800	OTTA	24P R	1855		250 D	4.4			
	2800	OTTA	20 GRF	1950	2018	175	6.2	2.8		
4	8800	PALE	1 S	0049 U	0049 U	1 U	6.5	.2U		
	1415	PALE	8 S	0049 U	0049 U	1 U	38.3	7.6U		

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	9400	TYKW	5	S	0049.3	0049.7	1.5	12	4		OL
	3750	TYKW	5	S	0049.3	0049.8	1	3	1		OL
	8800	MANI	3		0049.5	0049.9	2.6	19.7	6.1		
	2695	MANI	1		0049.5	0050.1	1.7	4.9	1.2		
	1420	SYDN	4	S/F	0049.5	0049.7	0.5				
	4995	MANI	1		0049.5	0050	1.7	5.8	1.9		
	1415	MANI	8		0049.6	0049.8	.9	64	8.1		
	9400	TYKW	20	GRF	0145	0200	60	6	3		OL
	2000	TYKW	20	GRF	0145	0210	60	1.2	0.6		OR
	3750	TYKW	20	GRF	0145	0200	60	4	2		OL078090F
	2000	TYKW	20	GRF	0300	0320	50	1	0.5		OR
	100	GORK	44	NS	0306 E		594 D		5		
	200	GORK	44	NS	0306 E		594 D		30		
	260	ONDR	44	NS	0625 E		535 D	28			
	221	ABST	44	NS	0700	0828.2	240	9			
	127	TORN	44	NS	0740 E	1137	280 D	35			
	245	SGMR	44	NS	0942 E	1340.5	854 D	42.4			
	3750	TYKW	20	GRF	0310	0330	50	1	0.5		OL
	9400	TYKW	20	GRF	0310	0350	140	6	3		OL
	3750	TYKW	5	S	0513.8	0514.1	1.5	2	1		OL
	1000	TYKW	5	S	0513.8	0514.2	2	1	0.4		OR
	2000	TYKW	5	S	0513.8	0514.3	2	3	1		OR
	720	SYDN	4	S/F	0513.9	0514	0.7				
	1420	SYDN	40	F	0514	0517.5	12				
	720	SYDN	8	S	0514.7	0514.8U	0.2				
	720	SYDN	4	S/F	0526	0526.3	0.4				
	1000	TYKW	5	S	0526	0526.2	2	6	1		
	2000	TYKW	5	S	0526	0526.4	2	0.8	0.3		OR
	650	GORK	3	S	0610	0610.7	0.8	30	15		
	221	ABST	6	S	0718	0718.2	0.5	35			
	29	UPIC	8	S	0817.6	0817.8	0.5				
	33	UPIC	8	S	0817.6	0817.7	0.6				
	221	ABST	6	S	0828	0828.2	0.5	36			
	550	KIEV	2	SF	0904	0904.2	0.5	40			
	550	KIEV	4	SF	0942	0942.9	1.8	48			
	3100	CRIM	24	R	0947	1044		4			
	408	TRST	45		1108.7	1109.1	1.4	72	18		
	550	KIEV	42	SER	1133		52	41			
	127	TORN	45	C	1133.5	1136	5	60	10		
	930	BORD	42	SER	1212.1	1212.5	0.4	10	2		
	908	ONDR	6	S	1212.4	1212.4	0.2	11			
	536	ONDR	6	S	1212	1212	0.2	6			
	237	TRST	41		1216.6	1216.8	0.3	60			R
	536	ONDR	7	C	1223.3	1223.9	1.5	37			
	808	ONDR	7	C	1223.7	1223.7	1	38			
	930	BORD	42	SER	1224	1224	0.2	15	2		
	2800	OTTA	22F	GRF	1515		80	1.4	0.8		
	2800	OTTA	8	S	1944.2	1944.3	0.5	12			
	2800	OTTA	8	S	1946.5	1946.6	0.5	7.6			
	2800	OTTA	20	GRF	2100	2145	65	1.8	0.9		
	9400	TYKW	20	GRF	2245	2300	55	7	4		OL
5	9650	IRKU	1	S	0150	0151	4.5	25			
	9400	TYKW	5	S	0150	0150.9	2	25	6		15L
	9400	TYKW	29	PBI	0152		50	4	2		
	3750	TYKW	5	S	0150	0151.4	3	9	3		20R078082F
	3750	TYKW	29	PBI	0153		30	3	1		
	200	GORK	44	NS	0300 E		600 D		50		
	100	GORK	44	NS	0300 E		600 D		750		
	200	GORK	44	NS	0306 E		594 D		15		
	100	GORK	44	NS	0306 E		594 D		5		
	260	ONDR	44	NS	0640 E		512 D	22			
	127	TORN	44	NS	0700 E	1122.7	440 D	35			
	245	SGMR	44	NS	0943 E	1743.5	852 D	31			
	100	HIRA	44	NS	2000 E	0619	800 D	415	100		SL
	200	HIRA	44	NS	2000 E	0456	800 D	55	35		SL
	207	VORO	44	NS	2300	0040	120	26			
	100	GORK	41	F	0411.9	0412.5	5.2	90			
	100	GORK			0411.8	0416.4		90			
	100	GORK	6	S	0534.8	0535.4U	1.4	90	30		
	200	GORK	6	S	0741.3	0741.5	1	80			
	100	GORK	41	F	0745.2	0745.3	17.8D	90			
	100	GORK			0745.2	0751.7		80			
	100	GORK			0745.2	0800 U		90			
	550	KIEV	4	SF	0808.4	0808.8	1	48			
	200	GORK	8	S	0841.7	0841.9	0.4	800	400		
	113	POTS	45	C	0910.8	0911	0.9	100	20		
	550	KIEV	2	SF	0924.4	0924.7	0.5	30			
	100	GORK	6	S	0947.6	0948.3U	2.2	90			
	100	GORK	476	GF	1010	1010.8	10.7	20000			
	100	GORK	6	S	1032.5	1034	2.7	90	30		
	536	ONDR	6	S	1122	1122	0.2	17			
	113	POTS	45	C	1213	1213.1	0.6	150	20		
	808	ONDR	42	SER	1238.7	1240.8	5.5	17			
	536	ONDR	7	C	1238.7	1239.7	1.6	73			

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	606	SGMR	46 C	1239	1239.3	2.8	146.3	29.3		
	606	SGMR	46 C		1239.5		122.4			
	930	BORO	42 SER	1239.4	1241	1.8	11	2		
	650	GORK	45 C	1239.5	1239.7	1	88			
	650	GORK		1239.5	1240		27			
	113	POTS	45 C	1251.1	1251.3	1.2	200	20		
	113	POTS	45 C	1415.3	1415.4	0.5	120	30		
	606	SGMR	4 S/F	1444	1445	1.7	109.4	21.9		
	1420	BOUL	8 S	1445.5	1446.5	1.5	2	1		
	7000	SAOP	1 S	1446.4	1447.7	2	14.2	7.1		
	9240	ARCE	1	1446.9	1447.8	2				
	1420	ARCE	1	1447.3	1447.5	.6				
	9240	ARCE	20	1458.5	1505.7	12.3				
	2695	SGMR	2 S/F	1458.8	1502.6	9.7	2.6	.8		
	2800	OTTA	20 GRF	1458	1504	14	1.4	0.7		
	1420	ARCE	22	1500.2	1502.7	16				
	1415	SGMR	2 S/F	1502.5	1502.8	3.5	48	1.4		
	2800	OTTA	27F RF	1830		213	2.6	2.2		
	2800	OTTA	24 R	1830	1908	38	2.6	1.1		
	2695	BOUL	2 S	1841.5	1845	9.5	6	3		
	2800	OTTA	24P R	1908		155	2.6			
	2800	OTTA	20 GRF	1922	1930	30	1.8	0.9		
	2800	OTTA	20 GRF	2005	2040	75	4.6	2.3		
	2800	OTTA	26 FAL	2143	2203	20	-1.4	-0.7		
	2695	PENT	20 GRF	2340		60	0.6	0.4		
6	9400	TYKW	5 S	0323	0333	30	6	3		OL
	720	SYDN	40 F	0503	0512.5	11				
	127	TORN	44 NS	0540 E	1040.2	520 D	300			
	260	ONDR	44 NS	0630 E		525 D	27			
	221	ABST	44 NS	0700	1055.2	240	9			
	245	SGMR	44 NS	0944 E	1122.8	850 D	60.5			
	410	SGMR	44 NS	0944 E	1538.7	850 D	13.3			
	100	HIRA	44 NS	2000 E	2133	800 D	690	260		SL
	200	HIRA	44 NS	2000 E	0015	800 D	40	15		SR
	207	VORO	44 NS	2100	2300	240	26			
	9240	ARCE	20	0938.6	0945.8	20.6				
	3100	CRIM	24 R	1009	1027		3			
	9240	ARCE	20	1010.5	1040.9	69				
	536	ONDR	2 S/F	1019.3	1019.8	1.8	8	4.6		
	550	KIEV	2 SF	1019.5	1019.8	1.3	33			
	650	GORK	6 S	1019.5	1019.8	1.3	5.2	2.5		
	1470	BERL	2	1019	1019.5	2	3.5	0.9		
	3100	CRIM	1 S	1036	1039	10	2			
	9240	ARCE	20	1133.5	1201.4	46				
	2800	OTTA	1 S	1149.5	1150	1	1.6	0.8		
	1415	SGMR	1 S	1209.5	1212.3	7	5.3	1.6		
	7000	SAOP	1 S	1210.2	1212.2	3	16.1	8		
	3000	BERL	3	1211.5	1211.8	2.5	15 U	5 U		
	1470	BERL	1	1211.5	1212	2	4.6	1.4		
	4995	SGMR	4 S/F	1211.7	1212.1	2.9	13.3	4		
	1420	ARCE	3	1211.7	1212.2	1				
	2695	SGMR	4 S/F	1211.8	1212.1	3.2	14.4	4.3		
	930	BORO	42 SER	1212	1212.1	0.8	9	2		
	8800	SGMR	4 S/F	1212.3	1213.2	2.3	10.5	3.2		
	2800	OTTA	3 S	1212	1212.2	3	11.8	3		
	3100	CRIM	1 S	1212	1212	3	6	2		
	9240	ARCE	1	1228.9	1231.1	5				
	7000	SAOP	20 GRF	1229.2	1231	4.8	13.8	6.9		
	9240	ARCE	40	1247	1247.6	12				
	2800	OTTA	24 R	1320	1345	25	2	1		
	2800	OTTA	27 RF	1320		80	2	1.6		
	2800	OTTA	24P R	1345		45	2			
	8800	SGMR	4 S/F	1350.1	1350.3	.9	73	21.9		
	2800	OTTA	26 FAL	1430	1440	10	-2	-1		
	2800	OTTA	21A GRF	1450	1700	240	8.2	3.3		
	9240	ARCE	21	1556.8	1646.7	100 D				AT SUNSET
	1420	BOUL	2 F	1607.5	1608.5	1.5	7	2		
	1420	ARCE	2	1608.2	1608.9	1.2				
	7000	SAOP	8 S	1626	1626.2	0.6	29.5	14.1		
	7000	SAOP	29 PBI	1626.6		7.2				
	9400	HUAN	3 S	1626.3	1626.8	5.3	25.4	7.6		L
	9240	ARCE	3	1626.7	1627	1.2				
	9240	ARCE	29	1627.9		8.4				
	2800	OTTA	1 S	1834	1835	2	0.6	0.3		
	2800	OTTA	32A ABS	1927	2005	68	-3.4	-1.7		
	2800	OTTA	45 C	2030.2	2031.9	2	1.2	0.5		
	8800	PALE	3 S	2031 U	2031 U	3 U	16.2	4.8U		
	9400	HUAN	3 S	2031.6	2031.8	1	17.8	6.2		L
	2800	OTTA	22F GRF	2045	2155	90	3.8	1.9		
	4995	BOUL	8 S	2230.5	2231	1.5	31	12		
	2695	PENT	OSC	2310		100				
7	8800	PALE	3 S	0003 U	0009 U	9 U	6.6	1.9U		
	2695	BOUL	2 S	0003	0005.5	5	5	2		

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AUG 1975	FREQUENCY	STATION	TYPE	STARTING TIME	TIME OF MAXIMUM	DURATION	FLUX DENSITY 10^{-22} Wm^{-2} Hz^{-1}		INT	POLARIZATION OR REMARKS
				UT	UT	MINUTES	PEAK	MEAN		
7	2695	PENT	20 GRF	0110	0135	50 D	2.6			
	1420	BOUL	2 S	0124.5	0130	9	7	3		
	4995	BOUL	2 S	0128.5	0131	4	14	5		
	2695	BOUL	2 S	0129	0131	3	6	2		
	8800	PALE	3 S	0130 U	0133 U	21 U	21.1	6.3U		
	4995	MANI	2	0130.4	0137.1	8.2	6.2	2.1		
	8800	MANI	4	0131.1	0134.3	7.5	19.6	3.3		
	9650	IRKU	2 S	0300	0304.2	10	40			
	4995	MANI	1	0300.4	0301.7	4.6	8.2	2.1		
	8400	MANI	4	0300.4	0301.4	4.6	26.1	4.9		
	200	GORK	44 NS	0305 E		437 D		30		
	100	GORK	44 NS	0306 E		474 D		150		
	260	ONDR	44 NS	0622 E		533 D	13			
	221	AGST	44 NS	0700	1037.8	240	5			
	127	TORN	44 NS	0750 E	1037.5	320 D	200			
	245	SGMR	44 NS	0945 E	1453.3	847 D	11.8			
	410	SGMR	44 NS	0945 E	1459.1	847 D	10.5			
	100	HIRA	44 NS	2000 E	0026	800 D	310	170		SL
	200	HIRA	44 NS	2000 E	0432	800 D	90	55		SR
	207	WORO	44 NS	2100	0027	240	50			
	650	GORK	6 S	0441.5	0442.5	0.9	7.2	3.5		
	3100	CRIM	1 S	0832	0832	2	2			
	9240	ARCE	2	0851	0853.7	3.8				
	3100	CRIM	20 GRF	0859	0904	18	2			
	650	GORK		0917.8	0920.3		3.4			
	650	GORK	2 S/F	0917.8	0918.4	3	3.4			
	200	GORK	6 S	0951	0951.2	0.4	145	70		
	1420	ARCE	20	1111.7	1143.1	40.6				
	6100	KISV	1 S	1140	1142.1	7	7			
	550	KIEV	41 F	1141.3	1141.9	1	35			
	9240	ARCE	3	1141.8	1142.8	2.1				
	9500	BERL	1	1141	1142.5	11	9.5	3		
	7000	SAOP	3 S	1142.6	1142.7	3	19.4	9.1		
	113	POTS	45 C	1143.8	1144.9	5	1400	30		
	9240	ARCE	29	1143.9		14				
	550	KIEV	1 S	1234.5	1234.8	0.4	30			
	4995	BOUL	8 S	1247.5	1248	1.5	52	19		
	1420	BOUL	8 S	1247.5	1248.5	1.5	4	1		
	2800	OTTA	3 S	1248.1	1248.9	1.9	1.7	0.8		
	2800	OTTA	29 PBI	1250	1250	10	3.8	1.7		
	4995	SGMR	3 S	1248.2	1248.6	5.8	58.8	17.6		
	7000	SAOP	8 S	1248.2	1248.6	1	78.9	38.9		
	7000	SAOP	29 PBI	1249.2		10				
	8800	SGMR	3 S	1248.3	1248.6	4.2	14.3U	4.3U		
	2695	SGMR	3 S	1248.3	1248.7	6.3	17.2	5.2		
	9240	ARCE	3	1248.3	1248.8	2				
	1420	ARCE	1	1248.4	1248.7	1.2				
	1415	SGMR	1 S	1248.4	1248.9	3.5	2.5	.7		
	9400	HUAN	3 S	1248.4	1248.8	1.4	36.7	11.6		L
	1470	BERL	1	1248.5	1248.8	2	2.8	1		
	930	BORO	45 C	1248.6	1248.6	0.2	65	2		
	808	ONDR	6 S	1248.6	1248.6	0.2	18			
	3100	CRIM	1 S	1248	1249		10	5		
	3000	BERL	3	1248	1249	17	28	6		
	9500	BERL	1	1248	1248.8	12	32	8		
	2695	BOUL	8 S	1249	1249.5	1.5	9	3		
	9240	ARCE	29	1250.3		26				
	2800	OTTA	20 GRF	1357		33	2.2			
	550	KIEV	46 C	1404	1407.6	5.5	49			
	4995	BOUL	1 S	1425	1426.5	3.5	10	3		
	2800	OTTA	26 FAL	1437	1447	10	-2.2	-1.1		
	234	POTS	41	1453.5	1453.6	12	120	1		
	4995	BOUL	1 S	1459	1500	3	14	5		
	9400	HUAN	8 S	1500.2	1500.6	1	26.2	7.2		L
	9240	ARCE	3	1500.3	1500.8	4.4				
	2800	OTTA	20 GRF	1510	1540	50	1.6	0.8		
	9240	ARCE	20	1511.7	1514.1	8				
	9240	ARCE	20	1528.9	1535.2	22.5				
	4995	BOUL	1 F	1624.5	1625.5	3.5	12	4		
	7000	SAOP	8 S	1625.8	1626.4	0.8	38.6	18.7		
	7000	SAOP	29 PBI	1626.6		4.6				
	9240	ARCE	3	1626	1626.6	1.2				
	7000	SAOP	1 S	1731	1731.8	1.2	8.2	3.5		
	2800	OTTA	32A ABS	1810	1835	60	-2.2	-1.1		
	2800	OTTA	1 S	1839	1839.2	1.2	1	0.5		
	8800	PALE	22 GRF	1846.2	1854.6	26.8	7.7	4.6		
	7000	SAOP	20 GRF	1846.5		7.6	15.2	7		
	7000	SAOP	29 PBI	1854.1		8.9				
	4995	BOUL	3 S	1942.5	1949	17	12	4		
	2800	OTTA	20 GRF	1944	1947	30	3.2	1.1		
	2695	BOUL	3 S	1944	1949	10	4	1		
	2800	OTTA	20 GRF	2125	2132	20	1.2	0.6		
	9400	TYKW	5 S	2236.5	2236.7	1.5	15	5		OL
	2695	PENT	20 GRF	2333	2334.8	24	2.8	1.4		
	2695	BOUL	1 F	2335.5	2336.5	2.5	3	1		

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AUG 1975	FREQUENCY	STATION	TYPE	STARTING TIME UT	TIME OF MAXIMUM UT	DURATION MINUTES	FLUX DENSITY 10^{-22} Wm^{-2} Hz^{-1} PEAK	FLUX DENSITY MEAN	INT	POLARIZATION OR REMARKS
8	260	ONDR	44 NS	0623 E		527 D	18			
	221	ABST	44 NS	0700	0717.8	180	9			
	127	TORN	44 NS	0700 E	1150 U	320 D	35			
	200	GORK	44 NS	0855 E		185 D		150		
	100	GORK	44 NS	0900 E		180 D		50		
	245	SGMR	44 NS	0946 E	1709.9	845 D	53.2			
	410	SGMR	44 NS	0946 E	1441.8	845 D	4.4			
	207	VORO	44 NS	2100	2306	240	14			
	200	GORK	41 F	0858.1	0858.8	1.9	1500			
	200	GORK		0858.1	0859.6		4000			
	3120	GORK	20 GRF	0945.1	0945.2	9	29	9		
	9240	ARCE	1	1003.6	1003.7	2				
	1420	ARCE	20	1005.7	1041.1	70				
	200	GORK	8 S	1022.5	1023	0.4	4000			
	9240	ARCE	22	1049.4	1051	19				
	9120	GORK	20 GRF	1050	1051	8.5	48	19		
	220	HARS	45 C	1207	1207.5	1	90	35		
	9240	ARCE	1	1258.8	1259.1	4				
	1420	ARCE	24	1258.9		56				
	2800	OTTA	20 GRF	1350		30	1	0.8		
	9240	ARCE	2	1428.1	1430.3	3.6				
	18	MCMA	6 S	1531	1533	2			1	
	2800	OTTA	32 ABS	1605		35	-1.8	-1.2		
	7000	SAOP	20 GRF	1637		4.9	11.6	5.8		
	9240	ARCE	21	1637.5		22				AT SUNSET
	1420	ARCE	1	1637.8	1638.8	1.5				
	9240	ARCE	1	1638.8	1639	0.6				
	7000	SAOP	3 S	1641.9	1645.4	4.6	18.6	9.3		
	7000	SAOP	29 PBI	1646.5		17.3				
	2800	OTTA	22F GRF	1657	1707	20	1	0.7		
	2800	OTTA	20 GRF	1920	1950	55	1.8	0.9		
	2800	OTTA	22F GRF	2025	2055	60	1.2	0.9		
	2800	OTTA	20 GRF	2222	2231	20	1.2	0.8		
9	3750	TYKW	5 S	0022	0030	30	3	1		OL
	2000	TYKW	5 S	0113	0120	30	1	0.5		OR
	3750	TYKW	5 S	0114	0116	18	2	1		OL076011F
	2000	TYKW	20 GRF	0220	0230	40	2	1		OR
	3750	TYKW	45 C	0224	0228.3	40	14	4		OL
	8800	PALE	40 F	0226 U	0228 U	26 U	8.9	2.7U		
	8800	MANI	4	0226.7U	0228.7U	12.1U	33.2U	10 U		
	4995	MANI	3	0226.7U	0228.7U	8.6U	23.5U	2 U		
	9400	TYKW	45 C	0226	0229.8	35	15	3		OL
	2000	TYKW	5 S	0234	0234.1	1	3	1		OR
	1000	TYKW	5 S	0234	0234.1	1	0.8	0.3		OR
	200	GORK	44 NS	0259 E		421 D		5		
	100	GORK	44 NS	0300 E		420 D		5		
	260	ONDR	44 NS	0650 E		514 D	37			
	127	TORN	44 NS	0750 E	0951.4	250 D	9			
	245	SGMR	44 NS	0947 E	1327.2	843 D	129.2			
	207	VORO	44 NS	2100	2150	240	13			
	3750	TYKW	45 C	0335	0340.2	15	4	1		OL
	2000	TYKW	45 C	0356	0400.7	80	2	0.6		OR
	9400	TYKW	20 GRF	0510	0525	60	6	3		OL
	550	KIEV	2 SF	0746.8	0747	0.3	32			
	550	KIEV	2 SF	1144.3	1144.7	0.8	28			
	237	TRST	42	1324.8	1327.3	2.7	61			R
	18	MCMA	6 S	1430	1433	3			1	
	8800	SGMR	4 S/F	1511.7	1512.1	.7	22.6	6.8		
	33	UPIC	3 S	1632.9	1633.2	0.5				UNCERTN
	29	UPIC	3 S	1633.1	1633.5	0.6				UNCERTN
	8800	SGMR	4 S/F	1712.4	1712.6	2.6	29.4	8.8		
	2695	SGMR	20 GRF	1830.5	1843.3	19.5	3.6	1.4		
	2800	OTTA	20 GRF	1832	1842	35	1.8	0.9		
	4995	SGMR	3 S	1839.5	1841.8	11	14.9	4.5		
	8800	SGMR	4 S/F	1839.8	1841.2	13	11.3	3.4		
	7000	SAOP	3 S	1840.3	1842	4	24.4	11.6		
	7000	SAOP	29 PBI	1844.8		6				
	4995	BOUL	2 S	1840	1841.5	2.5	11	4		
	2800	OTTA	20 GRF	1933	1943	20	1.2	0.6		
	2800	OTTA	20 GRF	2033	2037	50	1.8	0.9		
	2800	OTTA	20 GRF	2135	2145	20	1.6	0.8		
	9400	HUAN	3 S	2226.8	2228.8	3.1	25.1	14.6		
	3750	TYKW	5 S	2251	2252	10	5	2		OL
10	3750	TYKW	5 S	0232	0235	14	2	1		OL
	100	GORK	44 NS	0309 E		348 D		5		
	200	GORK	44 NS	0309 E		408 D		20		
	260	ONDR	44 NS	0630 E		522 D	32			
	127	TORN	43 NS	0820 U	0926.7	150 D	15			
	245	SGMR	44 NS	0948 E	2052.3	840 D	66.1			
	410	SGMR	44 NS	0948 E	1226.6	840 D	7.8			
	207	VORO	44 NS	2100	2150	240	14			
	200	GORK	41 F	0407.6	0407.7	7	80			

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AUG 1975	FREQUENCY	STATION	TYPE		STARTING TIME UT	TIME OF MAXIMUM UT	DURATION MINUTES	FLUX DENSITY 10^{-22} Wm^{-2} Hz^{-1} PEAK	FLUX DENSITY MEAN	INT	POLARIZATION OR REMARKS
10	200	GORK			0407.6	0414.2		60			
	200	GORK	41	F	0430.6	0431	19.6	80			
	200	GORK			0430.6	0438.3		80			
	200	GORK	41	F	0508	0508.3	3.1	80			
	200	GORK			0508	0510.1		80			
	9650	IRKU	1	S	0536.2	0536.4	0.5	11			
	3100	CRIM	26	FAL	0644	0741	174	2			
	200	GORK	6	S	0740.3	0740.5	0.4	80			
	1420	ARCE	20		0751.1	0804.3	52				
	9240	ARCE	20		0752	0804.2	32.5				
	200	GORK	6	S	0816.5	0816.7	0.5	100			
	9240	ARCE	1		0859.5	0859.6	0.7				
	1420	ARCE	20		0859.3	0906.8	48				
	3240	ARCE	20		0913.5	0914.5	27				
	3100	CRIM	24	R	0938	1145		5			
	9240	ARCE	22		0949	0951.1	48.5				
	6100	KISV	1	S	1021.3	1022.1	3.1	7			
	550	KIEV	42	SER	1243	1246.3	4	34			
	9400	HUAN	1	S	1304.2	1306.3	7	7.5	3.5		
	9240	ARCE	20		1311.8	1424.4	112.6				
	9240	ARCE			1311.8	1337	56.8				
	9240	ARCE			1408.6	1424.4	55.8				
	7000	SAOP	21	GRF	1315	1324.8	12.6	14.8	12.5		
	8800	SGMR	22	GRF	1319	1324.3	41.5	12.2	7.3		
	4995	SGMR	22	GRF	1319.6	1334.6	39.8	17.3	10.4		
	7000	SAOP	1	S	1323.6	1324.8	3.6	11.4	5.7		
	4995	BOUL	1	S	1323	1324	1.5	7	2		
	2695	SGMR	22	GRF	1333.5	1341	26.7	6.3	3.8		
	15400	SGMR	22	GRF	1333.7	1346.8	29.2	10.8	6.5		
	7000	SAOP	21	GRF	1333.8	1335.6	16.8	18.2	9.1		
	7000	SAOP	20	GRF	1333.8		16.8	8			
	4995	BOUL	2	S	1333	1334.5	5.5	17	6		
	7000	SAOP	3	S	1334.4	1335.6	4	11.4	5.7		
	9500	BERL	2		1334.5	1341.3	23.5	6	3		
	4995	BOUL	45	C	1404.5	1421	27	17	5		
	8800	SGMR	22	GRF	1405.1	1419.3	33	5.1	3.1		
	2695	SGMR	22	GRF	1405.2	1421.8	32.8	17.2	10.3		
	4995	SGMR	22	GRF	1405.2	1419.8	33	20.9	12.5		
	1415	SGMR	22	GRF	1406	1422	32.2	14.4	8.6		
	930	BORD	42	SER	1406.2	1406.4	0.2	11	2		
	606	SGMR	22	GRF	1407.9	1432.8	29.9	14.4	8.6		
	2800	OTTA	46F	C	1408	1422	20	12.2	5.3		
	2800	OTTA	30A	PBI	1428	1428	60	1.4	0.9		
	2695	BOUL	45	C	1409.5	1423.5	24	10	3		
	1420	BOUL	45	C	1409	1420	19	8	3		
	1470	BERL	46		1409 U	1420.5	19 U	11	3		
	3000	BERL	46		1410 U	1422.5	36 U	20	6 U		
	15400	SGMR	22	GRF	1411	1429.2	33.8	12.5	7.5		
	9500	BERL	2		1411.5	1423	33	5	3		
	930	BORD	40	F	1411	1419.9	17	9	4		
	550	KIEV	27	RF	1412	1413.2	2.3	33			
	550	KIEV	7	C	1432.5	1433.2	2.4	37			
	228	HARS	45	C	1457.7	1458.5	3.1	50	14		
	4995	BOUL	1	S	1507	1508	2	7	2		
	2800	OTTA	1	S	1507	1508	2	2.8	1.4		
	2695	BOUL	1	F	1508	1508.5	2.5	4	1		
	2695	BOUL	3	S	1829.5	1832	14.5	12	4		
	237	TRST	45		1600.1	1600.2	0.2	31	7		R
	4995	BOUL	45	C	1824.5	1830.5	32.5	32	6		
	4995	SGMR	3	S	1825.2	1826.7	2.2	12	3.6		
	7000	SAOP	45	C	1825.5	1832	10	41.1	19.9		
	7000	SAOP	29	PBI	1835.5		35				
	8800	PALE	22	GRF	1826 U	1831 U	90 U	18.9	11.3U		
	8800	SGMR	3	S	1826.3	1826.6	1.2	11.9	3.6		
	1415	PALE	8	S	1827 U	1827 U	1 U	14.2	2.8U		
	2800	OTTA	3	S	1829.5	1831	3.5	18.2	9.1		
	2800	OTTA	29	PBI	1833	1833	17	4.4	2.2		
	8800	SGMR	3	S	1829.9	1831.1	2.1	20.1	6		
	8800	SGMR	29	PBI	1832	1832	19.2	15.6	7.8		
	2695	SGMR	3	S	1830	1831.1	2.6	17.3	5.2		
	2695	SGMR	29	PBI	1832.6	1832.6	19.4	5.4	2.7		
	4995	SGMR	3	S	1830.1	1830.8	1.9	23.5	7		
	4995	SGMR	29	PBI	1832	1832	19.1	16.1	8.1		
	9400	HUAN	1	S	1830.4	1832.8	8.9	11.3	4		R
	2800	OTTA	31	ABS	1850	1950	105	-4.4	-2.2		
	9400	HUAN	20	GRF	2013.4	2056.6	85.9	12.6	4.8		
	4995	SGMR	22	GRF	2031.3	2039.1	21.7U	11	6.6U		
	8800	SGMR	22	GRF	2031.4	2040.6	21.6U	11.5	6.9U		
	2695	SGMR	22	GRF	2031.5	2039.1	21.5U	11.3	6.8U		
	4995	BOUL	1	F	2037	2038	11	13	3		
	2800	OTTA	22F	GRF	2037	2039	65	4.4	2		
	2695	BOUL	2	S	2038	2040	4	3	1		
	2695	PENT	27	RF	2230		145	3.2	2.4		
	2695	PENT	24	R	2230	2322	52	3.2	1.6		
	2695	PENT	24P	R	2322		66	3.2			

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11	3750	TYKW	5 S	0020	0028	30	3	1		OL
	9400	TYKW	5 S	0020	0028	30	4	2		OL
	2695	PENT	26 FAL	0028	0055	27	-3.2	-1.6		
	1420	SYDN	1 S	0036.2	0036.2	0.5				
	720	SYDN	1 S	0036.5	0036.5	0.3				
	3750	TYKW	45 C	0100	0118	40	3	1		OL
	9400	TYKW	5 S	0110	0119	20	4	2		OL
	2695	PENT	1 S	0110	0111	4	4.6	1.5		
	2695	BOUL	8 S	0111	0112	2.5	5	2		
	2000	TYKW	5 S	0134	0138	15	3	1		OR
	720	SYDN	40 F	0135	0138.7	4				
	1420	SYDN	21 GRF	0135	0136.3	4.2				
	100	HIRA	45 C	0137	0137.4U	3	1800 D	500 D		SRSL
	100	HIRA	27 RF	0150	0222	74	20	15		OR
	3750	TYKW	20 GRF	0215	0230	100	4	2		OL
	100	GORK	44 NS	0300 E		180 D		5		
	200	GORK	44 NS	0300 E		179 D		20		
	9400	TYKW	5 S	0325	0330	35	5	2		OL
	100	HIRA	45 C	0331.5	0333	3	30	20		SRSL
	9400	TYKW	5 S	0421	0421.6	2	6	2		OL
	720	SYDN	40 F	0500	0500.6	2.5				
	3100	CRIM	24 R	0521	0904		6			
	100	GORK		0529	0533.2U		50			
	100	GORK	41 F	0529	0529.5U	7.2	50			
	650	GORK	20 GRF	0545.9	0551.1	12.9	6	3		
	260	ONDR	44 NS	0620 E		539 D	64			
	200	GORK	44 NS	0629 E		91 D		20		
	100	GORK	44 NS	0630 E		90 D		5		
	221	ABST	44 NS	0700	1018.2	240	9			
	127	TORN	44 NS	0700 E	1126.5	330 D	135			
	200	HIRA	43 NS	0719	0759	120 D	55	40		MR
	100	HIRA	43 NS	0719	0833 U	120 D	35 U	20		SL
	100	GORK	44 NS	0854 E		246 D		10		
	200	GORK	44 NS	0854 E		186 D		60		
	245	SGMR	44 NS	0949 E	1318.3	838 D	130.2			
	207	WORO	44 NS	2100	2142	240	33			
	100	GORK	41 F	0735.7	0735.9U	7.9	40			
	100	GORK		0735.7	0743.4		40			
	650	GORK	41 F	0735.8	0736	2.3	30			
	650	GORK		0735.8	0738		12			
	100	GORK	48 C	0743.6	0801 U	18.4D	40			
	100	GORK	41 F	0901.2	0901.3	1.5	1000			
	100	GORK		0901.2	0902.3		1000			
	650	GORK	41 F	0909	0909.2	1.2	20			
	650	GORK		0909	0909.6		15			
	221	ABST	6 S	1017.8	1018.2	0.8	51			
	550	KIEV	40 F	1043	1043.9	1.7	28			
	200	GORK	8 S	1053.2	1053.5	1.8	3000			
	113	POTS	41	1124.5	1147	25	200	1		
	550	KIEV	41 F	1145		16	30			
	234	POTS	45 C	1147	1147.1	1	120	20		
	127	TORN	45 C	1147.7	1148.7	3.5	130	25		
	127	TORN		1147.7	1149.3	2	120			
	2800	OTTA	20 GRF	1220	1226	20	2.2	1.1		
	550	KIEV	42 SER	1248	1251.3	12	51			
	18	MCMA	6 S	1335	1338	3			1	
	2800	OTTA	20 GRF	1350	1405	120	2.2	1.1		
	2800	OTTA	20 GRF	1730	1743	30	1.6	0.8		
	410	SGMR	6 S	1910.4	1913.2	3.4	2.1	.6		
	606	SGMR	3 S	1913	1913.1	.6	10.1	3		
	2800	OTTA	20 GRF	2202	2208	30	1.4	1		
	2695	PENT	20 GRF	2340	2355	50	1.6	0.8		
12	2695	BOUL	2 F	0017.5	0018.5	2	31	11		
	3750	TYKW	20 GRF	0140	0200	120	4	2		OL
	2000	TYKW	20 GRF	0143	0200	120	3	1		OR
	100	GORK	44 NS	0300 E		600 D		40		
	200	GORK	44 NS	0300 E		600 D		10		
	260	ONDR	44 NS	0630 E		518 D	101			
	127	TORN	44 NS	0740 E	1025	250 D	4			
	3750	TYKW	5 S	0350	0352	40	3	1		OL
	200	GORK	41 F	0521.5	0522 U	14.8	150			
	100	GORK	41 F	0521.8	0522.1U	14.5	900			
	200	GORK		0521.5	0531.8U		150			
	200	GORK		0521.5	0536		100			
	100	GORK		0521.8	0532 U		900			
	100	GORK		0521.8	0536.1		900			
	2950	GORK	20 GRF	0615.9	0617.7	8	10			
	4995	MANI	1	0617.9	0618.4	1.4	7.1	2.4		
	2695	MANI	2	0617.8	0618.6	2.8	8.1	2.3		
	8800	MANI	1	0617.8	0618.6	1	5	1.7		
	3100	CRIM	1 S	0617	0618	34	6	2		
	3750	TYKW	5 S	0618 E	0618.1	2 D	7	2 U		OL
	200	GORK	41 F	0644.8	0645.4U	16.5	200			

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	200	GORK		0644.8	0649 U		200			
	200	GORK		0644.8	0656.6U		200			
	200	GORK		0644.8	0700.9U		200			
	3100	CRIM	40 F	0652	0653		2			
	200	GORK	6 S	0813.5	0813.7	0.5	200	100		
	200	GORK	6 S	0852.8	0853 U	0.3	250			
	550	KIEV	42 SER	0917.2	0922.3	10.5	43			
	650	GORK	41 F	0949.3	0949.6	4	28			
	650	GORK		0949.3	0953.1		14			
	650	GORK	4 SF	1028.1	1029.1	1.4	29			
	237	TRST	41	1101.9	1102.4	0.7	360			R
	2800	OTTA	20 GRF	1133	1137	15	1.8	1		
	237	TRST	45	1157.8	1157.8	0.3	290	57		R
	237	TRST	45	1212.4	1212.5	0.2	370	110		R
	237	TRST	42	1220.2	1220.4	2.2	120			R
	237	TRST		1220.2	1222.1		120			R
	113	POTS	2 S	1222.3	1222.4	0.5	400	130		
	100	GORK	45 C	1230.7	1230.9U	1.1	35			
	100	GORK		1230.7	1231.6U		35			
	2900	OTTA	20 GRF	1230	1300	75	2.2	1.1		
	650	GORK	6 S	1231.2	1231.6	0.7	112	55		
	237	TRST	42	1253.6	1256.9	5.9	1100			R
	237	TRST	45	1317.2	1317.2	0.1	30	9		L
	237	TRST	45	1452.7	1452.8	0.2	61	28		
	237	TRST	42	1506.9	1508.2	2.4	280			R
	9240	ARCE	2	1520.3	1521.8	5				
	1420	ARCE	1	1521.5	1521.8	0.5				
	2800	OTTA	27A RF	1600		130	1.2	1.1		
	2400	OTTA	24 R	1600	1610	10	1.2	0.6		
	2800	OTTA	24P R	1610		110	1.2			
	2800	OTTA	20 GRF	1623	1628	20	2.2	1.1		
	9240	ARCE	20	1625.3	1627.2	24				
	237	TRST	45	1650.9	1650.9	0.2	110			
	237	TRST	42	1713	1714	3.4	180			R
	2800	OTTA	20 GRF	1719	1720.5	25	2.2	1.1		
	2800	OTTA	26 FAL	1800	1810	10	-1.2	-0.6		
	2800	OTTA	20 GRF	1828	1833	45	1.4	0.7		
	200	HIRA	44 NS	2000 E	2145	800 D	40	15		SR
	100	HIRA	43 NS	2252	0435	628 D	80	20		SL
	410	SGMR	6 S	2108.4	2114.9	24.3	6.3	1.9		
	245	SGMR	6 S	2109	2109.2	23.9	48.8	14.6		
	606	SGMR	22 GRF	2120	2121.2	13.3	3.4	1		
	3400	HUAN	3 S	2222.6	2226	4.4	17.6	5.5		
13	127	TORN	44 NS	0850 E	1103.2	240 D	16			
	1415	PALE	8 S	0238 U	0238 U	1 U	13.3	2.6U		
	260	ONDR	44 NS	0610 E		544 D	17			
	6100	KISV	1 S	0723.2	0728	8.3	4			
	9240	ARCE	20	0738	0757.4	33				
	6100	KISV	20 GRF	0808	0818	32	3.5			
	550	KIEV	2 SF	1000.5	1001.2	1	31			
	550	KIEV	2 SF	1003.4	1003.9	1.1	32			
	221	ABST	48 C	1003.8	1005	2	59	20		
	221	ABST	6 S	1015	1015.2	0.8	22			
	550	KIEV	7 C	1018.5	1018.8	2	35			
	221	ABST	41 F	1030.8	1031.2	1	22			
	550	KIEV	42 SER	1257.2	1311.3	19	40			
	18	MCMA	6 S	1317	1318	1			1	
	550	KIEV	42 SER	1406		6	38			
	2400	OTTA	20 GRF	1530	1625	85	1.2	0.9		
	245	SGMR	43 NS	1829.8	1938.3	99.4	17.3			
	2800	OTTA	1 S	2141	2143	4	1			
	2695	PENT	20 GRF	2310	2316	40	1.6	0.8		
14	4995	3OUL	9 S	0012	0014	3.5	22	8		
	8800	PALE	22 GRF	0111.8	0114.3	15.5	21.3	12.8		
	1420	SYDN	1 S	0112.6	0112.7	0.4				
	9400	TYKW	5 S	0112	0114.1	4	18	5		3OR
	9400	TYKW	29 PBI	0116		70	5	2		
	3650	IRKU	1 S	0113	0114.2	3	13			
	8800	MANI	2	0113.2U	0114.2U	3.6U	8.7U	3.5U		RAIN
	4995	MANI	3	0113.2U	0114.2U	3.6U	12.9U	4.3U		RAIN
	2695	PENT	3 S	0113.5	0114.3	3	14.4	4.8		
	2695	PENT	29 PBI	0116.5	0116.5	28	2.4	1		
	2000	TYKW	5 S	0113	0114.3	4	5	1.5		OL
	260	ONDR	44 NS	0720 E		470 D	67			
	606	MANI	40	0939.8	0940.8	3.1D	173 U	15.9U		RFI
	6100	KISV	3 S	0940	0941	5	32			
	1420	ARCE	4	0940.1	0940.8	2.7				
	1415	MANI	4	0940.2	0940.8	2.6D	25.9	10		SUNSET
	4995	MANI	4	0940.3	0941	2.6D	23.5	13.5		SUNSET
	8800	MANI	4	0940.3	0941	1.3D	24.4	15.5		SUNSET
	2695	MANI	4	0940.3	0941	2.2D	36.1	11.7		SUNSET
	930	BORD	45 C	0940.3	0941	3.7	73	5		
	808	ONDR	3 S	0940.4	0940.6	1	70			

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	538	ONDR	3	S	0940.5	0940.5	0.4	195			
	408	TRST	45		0940.6	0940.7	0.5	550	C		
	510	POTS	45	C	0940.6	0940.9	0.7	300	75		
	1470	BERL	3		0940	0941	16	27	6.8		
	3000	BERL	4		0940	0941	5	42	13		
	9500	BERL	4		0940	0941	2	20	9.1		
	9240	ARCE	4		0940	0941.1	2.6				
	9240	ARCE	29		0942.6		9.6				
	1420	ARCE	29		0942.8		15.5				
	113	POTS	45	C	0951.4	0953.2	3.5	350	20		
	29	UPIC	3	S	1004.6	1005.2	1				
	33	UPIC	3	S	1004.7	1005.1	0.6				
	6100	KISV	20	GRF	1024.3	1046	59	6			
	6100	KISV	1	S	1029.3	1034.3	7	3			
	6100	KISV	1	S	1038.3	1041.3	5	7			
	3100	GRIM	1	S	1038	1041	15	4	1		
	9240	ARCE	20		1039.8	1056.8	105				
	609	ONDR	3	S	1041.2	1041.2	0.4	57			
	9500	BERL	20		1050	1056.5	22	4	2		
	113	POTS	45	C	1154	1154.1	0.3	200	40		
	237	TRST	41		1208.1	1208.1	0.3	36			L
	237	TRST	42		1238.4	1238.7	1.2	68			R
	234	POTS	45	C	1250	1256	15	140	30		
	7000	SAOP	1	S	1329.2	1330	1.2	12.5	5.7		
	2800	OTTA	45	C	1329	1330	1.5	3.4	1		
	4995	SGMR	2	S/F	1455.6	1456.8	7.9	7	2.1		
	2695	SGMR	2	S/F	1456.7	1458.8	2.6	1.3	.4		
	8800	SGMR	4	S/F	1456.7	1456.9	1.3	12.3	3.7		
	245	SGMR	6	S	1702.9	1703.3	1.2	16.4	3.3		
	410	SGMR	6	S	1703.2	1703.3	.2	.7	.3		
	237	TRST	45		1703.3	1703.3	0.2	160	48		R
	2800	OTTA	27	RF	1704		101	1.6	1.2		
	2800	OTTA	24	R	1704	1709	5	1.6	0.8		
	2800	OTTA	24P	R	1709		51	1.6			
	2800	OTTA	26	FAL	1800	1845	45	-1.6	-0.8		
	410	SGMR	6	S	1949.7	1949.9	1.5	27.3	5.5		
	2800	OTTA	41	SER	1954.1	1956.1	2.2	2.2			
	2800	OTTA	1	S	1954.1	1955	1.1	2	1		
	2800	OTTA	8	S	1956	1956.1	0.8	2.2	1.1		
15	550	KIEV	42	SER	1013.5	1018	5.3	34			
	550	KIEV	1	S	1137.6	1137.9	0.5	30			
	606	SGMR	2	S/F	1406.8	1407.2	.5	4.3	.9		
	410	SGMR	6	S	1407.1	1407.2	.2	5.6	1.1		
	245	SGMR	6	S	1407.1	1407.2	.2	10.1	2		
	2800	OTTA	20	GRF	1505	1509	25	2.4	1.2		
	245	SGMR	6	S	1517.9	1518.3	2	13	3.9		
	1415	SGMR	2	S/F	1518	1518.7	1.5	3.8	1.1		
	410	SGMR	6	S	1518.2	1518.3	1.5	11.1	3.3		
	606	SGMR	4	S/F	1518.4	1519.1	1.2	17.3	5.2		
	2695	SGMR	1	S	1518.5	1518.9	.6	5.2	1.6		
	2695	BOUL	45	C	2324	2328	6.5	7	2		
16	550	KIEV	42	SER	1104.5		14.5	28			
	9240	ARCE	2		1246.5	1246.8	.8				
	8800	SGMR	3	S	1426.9	1427.1	1.3	15.1	4.5		
	4995	SGMR	1	S	1426.9	1427.1	.8	5.3	1.6		
	1415	SGMR	2	S/F	1809.7	1812.9	4.2	4.8	1.4		
17	18	MCMA	6	S	1642	1644	2			1	
	18	MCMA	6	S	1909	1912	4			1	
18	606	SGMR	4	S/F	1554.2	1554.4	.6	19.9	6		
	245	SGMR	6	S	1554.2	1554.6	.6	65.4	13.1		
	410	SGMR	6	S	1554.3	1554.6	.5	10.7	3.2		
	1415	SGMR	1	S	1554.3	1554.4	.3	2.4	.7		
	245	SGMR	6	S	1701.7	1701.9	.5	20.2	4		
	410	SGMR	6	S	1701.7	1701.9	.4	4.1	.8		
	606	SGMR	2	S/F	1701.8	1701.9	.3	8.1	2.4		
	1415	SGMR	1	S	1701.8	1701.9	.4	1.3	.4		
19	410	SGMR	6	S	1337.5	1337.6	.3	2.3	.7		
	606	SGMR	1	S	1337.5	1337.7	.6	3.4	1.1		
	245	SGMR	6	S	1337.6	1337.7	.3	9.8	2.9		
20	260	ONDR	3	S	1307.8	1308.3	1.5	4	1.2		
	260	ONDR	4	S/F	1354.2	1354.8	2	13	3.8		
	260	ONDR	2	S/F	1415.3	1416.2	2.5	7	4.8		
21	200	HIRA	45	C	0515		7		9		
	200	HIRA			0515	0516.4		10			OR
	200	HIRA			0515	0518.2		10			OR
	200	HIRA			0515	0519.5		10			OR
	200	HIRA			0515	0521.3		8			OR
	3750	TYKH	45	C	0515.7	0516.4	6	12	5		OL

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21	1000	TYKW	45	C	0515.7	0516.3	4	3	1		OR
	2000	TYKW	45	C	0515.7	0516.4	6	10	3		OR
	720	SYDN	40	F	0515.8	0516.3	3.2				
	1420	SYDN	40	F	0515.8	0516.4	3				
	3100	CRIM	3	S	0515	0517	7	12	4		
	500	HIRA	45	C	0516		3		4		
	500	HIRA			0516	0516.5		8			
	500	HIRA			0516	0517.7		6			
	500	HIRA			0516	0518.4		5			
	2695	MANI	4		0516.6	0517.6U	7.2	10.4U	4.1U		RFI
	8800	MANI	4		0516.6	0519.4	6.4	17.9	10.7		
	606	MANI	40		0516.6	0518.4	3.9	7.9	3.4		
	1415	MANI	40		0516.6	0517.3	4.8	4.5	2.5		
	4995	MANI	4		0516.6	0517.4	7.2	12.2	5.4		
	9240	ARCE	20		0742.3	0811.5	48.5				
	500	HIRA	45	C	0813.7	0821	7	90	35		
	3100	CRIM	3	S	0835	0842 U	16	752	17		
	3100	CRIM	29	PBI	0851	0852		2			
	3000	BERL	46		0835	0842.5	29	32	11		
	510	POTS	45	C	0836.3	0841.2	7.5	130	20		
	1470	BERL	46		0836	0838.8	14	12	4		
	9500	BERL	4		0836	0838.2	30	254	97		
	930	BORD	45	C	0836	0838	8	23	8		
	200	HIRA	45	C	0837	0842.6	13	370 D	80 D		WL
	4995	MANI	46		0837.2	0840	11	143	47.6		
	606	MANI	40		0837.2	0838.5	7.2	67 U	14.4U		RFI
	1415	MANI	46		0837.2	0839.4	10.3	10.8	4.3		
	8800	MANI	46		0837.5	0840	11.4	315	94		
	234	POTS	45	C	0837.8	0842.1	9.5	450	75		
	113	POTS	45	C	0837.9	0844.7	14	250	10		
	237	TRST	47		0837	0842.3	11	1200			R
	228	HARS	47	GB	0837	0842.5	11	180	60		
	29	UPIC	3	S	0838.2	0838.5	1.5				
	221	ABST	49	GB	0838.2	0840.2	8.2	147	47		
	33	UPIC	3	S	0838.3	0838.4	1.4				
	1420	ARCE	40		0840.7	0843.8	9.8				
	9240	ARCE	46		0841.6	0844.2	9.3				
	9240	ARCE			0841.6	0844.2	5.6				
	9240	ARCE			0847.2	0847.6	3.7				
	408	TRST	47		0841	0841.7	2.3				
	100	HIRA	45	C	0842	0846	9	250	80		WL
	228	HARS	2	S	0845	0845.7	0.9	19			
	260	ONDR	7	C	0847 E	0848.3	4	12	3.2		
	9240	ARCE	29		0850.9		26.6				
	260	ONDR	8	S	1316.3	1316.3	0.3	84			
	1470	BERL	4		1408.5	1410	9.5	3.5	1		
	3000	BERL	20		1408	1411	17	1.6			
	260	ONDR	45	C	1410.7	1416.8	10.5	11	3.3		
	9500	BERL	20		1410	1417	40	5.5			
	606	SGMR	47	GB	1509.7	1519.7	17.3	967	387		
	606	SGMR	30	PBI	1527	1527	36.1	4.9	2.9		
	606	SGMR	47	GB		1521.2		791			
	2695	BOUL	45	C	1516.5	1521.5	13.5	223	70		
	15400	SGMR	47	GB	1516.5	1519.7	10.5	1916	766		
	15400	SGMR	30	PBI	1527	1527	10.4	16.5	9.9		
	1415	SGMR	46	C	1516.6	1519.6	10.4	203	60.9		
	1415	SGMR	46	C		1524.1		60.1			
	1415	SGMR	30	PBI	1527	1527	10.5	2	1.2		
	930	BORD	45	C	1516.6	1519.8	11.4	730	70		
	2695	SGMR	4	S/F	1516.6	1519.7	10.4	155	46.5		
	2695	SGMR	30	PBI	1527	1527	9.9	1.3	.8		
	4995	SGMR	4	S/F	1516.7	1519.7	10.3	287	86.1		
	4995	SGMR	30	PBI	1527	1527	35.3	6.4	3.8		
	2800	OTTA	4A	S/F	1516.8	1523.3	12	31	12.2		
	4995	BOUL	45	C	1516	1520.5	22.5	201	44		
	1420	BOUL	45	C	1516	1520	12	78	17		
	410	SGMR	49	GB	1517.8	1519.4	19.3	711	284.4		
	245	SGMR	49	GB	1518.3	1519.4	20.5	5923	1777		
	127	TORN	49	GB	1518.5	1523.2	12	10000 U			SUNSET
	2800	OTTA	4	S/F	1518.5	1519.5	3	114	47		
	7000	SAOP	47	GB	1518.6E	1520.1	8.2D	920.5	314.8U		
	7000	SAOP	29	PBI	1526.8		31.8				
	35000	SGMR	47	GB	1518.7	1519.6	8.3	2182	873		
	35000	SGMR	29	PBI	1527	1527	8.5	90.9	54.5		
	8800	SGMR	47	GB	1518.7	1520	8.3	1135	454		
	8800	SGMR	30	PBI	1527	1527	26.5	8	4.8		
	9240	ARCE	21		1518.8	1534.2	91				
	237	TRST	47		1518		15	260 D			
	228	HARS	47	GB	1518	1522.3	12	570	180		
	228	HARS			1519.5	1519.7	0.3	430			
	228	HARS			1520.5	1520.7	0.4	525			
	228	HARS			1520	1520.2	0.5	525			
	228	HARS			1522.4	1522.6	0.4	525			
	228	HARS			1522.8	1523	0.3	380			
	29	UPIC	42	SER	1520.3	1536.1U	20.4				

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	33	UPIC	42 SER	1520.4	1522.2	20.8U				
	18	MCMA	6 S	1520	1525	5			2	
	1420	ARCE	47	1521.6	1525.5	11				
	1420	ARCE		1521.6	1525.5	6.5				
	1420	ARCE		1528.1	1529.1	4.5				
	9240	ARCE	4	1523.4	1525	9.4				
	1420	BOUL	23 GRF	1529	1531	8.5	3	1		
	4995	BOUL	1 S	1530	1530.5	1.5	6	2		
	8800	SGMR	1 S	1531	1531.2	1	6	1.8		
	1415	SGMR	1 S	1531	1531.4	1.3	4	1.2		
	606	SGMR	3 S	1531.1	1531.3	.8	22.1	6.6		
	15400	SGMR	1 S	1531.1	1531.5	.6	6.1	1.8		
	2695	SGMR	1 S	1531.2	1531.6	1.2	4.8	1.4		
	4995	SGMR	1 S	1531.2	1531.5	.7	5.4	1.6		
	930	BORD	45 C	1531	1531.4	1	10	2		
	2800	OTTA	1 S	1531	1531.3	1.5	5.2	2		
	2695	BOUL	8 S	1532	1532.5	2	6	2		
	245	SGMR	41 F	1543	1551.1	28.3	19.5	3.9		
	9240	ARCE	3	1552.4	1552.8	2				
	410	SGMR	6 S	1555.3	1555.4	.7	4.4	.9		
	606	SGMR	43 NS	1806.1	1845.9	100.7	9.6			
	245	SGMR	43 NS	1850.1	1901.5	34.8	3.3			
	8800	PALE	47 GB	1946 U	1948 U	23 U	154	156 U		
	8800	PALE	47 GB		1949 U		522			
	7000	SAOP	46 C	1946.4	1949.2	8.9	394.8	79.7		
	7000	SAOP	29 PBI	1955.3		10				
	7000	SAOP	30 PBI	1955.3	2000.3	10	36.3			
	4995	BOUL	45 C	1946.5	1948.5	8.5	111	39		
	8800	SGMR	46 C	1946.8	1948.2	8.2	124	133.1		
	8800	SGMR	46 C		1949.3		443.6			
	9400	HUAN	45 C	1946.9	1949.3	5.5	378.7D	94.2D		
	9400	HUAN	29 PBI	1952.4	1952.4	13.7	27	11.3		
	1420	BOUL	2 S	1946	1949	8.5	19	7		
	2695	BOUL	45 C	1947.5	1950	10.5	33	9		
	4995	SGMR	46 C	1947.6	1948.1	8.2	43.2	37.7		
	4995	SGMR	46 C		1949.3		125.8			
	606	SGMR	47 GB	1947.7	1949.3	8.1	916.9	275.1		
	1415	SGMR	46 C	1947.7	1948.7	6.7	35.1	10.5		
	1415	SGMR	46 C		1949.7		31.7			
	410	SGMR	6 S	1947.9	1949.5	15.2	125.6	37.7		
	15400	SGMR	46 C	1947.8	1948.2	7.3	89.7	109.7		
	15400	SGMR	46 C		1949.3		365.8			
	2695	SGMR	46 C	1947.8	1948.2	9.4	18.4	12.2		
	2695	SGMR	46 C		1949.3		40.5			
	2800	OTTA	F	1948.6	1950.2	3.4	42			
	2800	OTTA		1947.8	1948	8.8	19			
	2800	OTTA	46F C	1947.8	1950.2	4.2	42	16.8		
	2800	OTTA	29 PBI	1952	1952	5	3.2	1.6		
	1415	PALE	4 S/F	1948 U	1950 U	9 U	32.1	9.6U		
	35000	SGMR	4 S/F	1948	1949.4	6.6	185.2	55.6		
	245	SGMR	6 S	1948.4	1950.5	21.8	204.6	61.4		
	18	MCMA	6 S	1951	1952	3			1	
	4995	BOUL	1 S	1958.5	2000	3.5	15	5		
	1420	BOUL	2 S	1958.5	1959.5	3	1			
	2800	OTTA	1 S	1959.3	2000.2	3	7.4	2.8		
	8800	SGMR	3 S	1959.3	2000.4	3.8	16	4.8		
	2695	SGMR	1 S	1959.4	2000.3	2.2	6.8	2.1		
	2695	BOUL	3 S	1959.5	2001	2.5	7	2		
	4995	SGMR	3 S	1959.6	2000.3	2.4	15.8	4.8		
	1415	SGMR	1 S	1959.7	2000.3	1.6	1.8	.5		
	606	SGMR	1 S	1959.7	2000.4	1.3	3.8	1.2		
	7000	SAOP	3 S	1959.8	2000.3	2	29.3	14		
	9400	HUAN	3 S	2000	2000.2	2.5	16.7	6.4		
	15400	SGMR	1 S	2000.1	2000.6	1.8	6.5	1.9		
22	606	MANI	4	0114.5	0117.6	11.1	435	80		
	4995	BOUL	45 C	0114.5	0117	5 D	219	52		
	720	SYDN	45 C	0114.6	0117 U	10				
	1420	SYDN	45 C	0114.8	0116.8	10				
	1000	TYKW	45 C	0114	0116.9	11	485	35		03L
	8800	PALE	47 GB	0115 U	0118 U	13 U	601.6	180.5U		
	1415	PALE	3 S	0115 U	0116 U	10 U	206.7	62.1U		
	1420	BOUL	8 S	0115.5	0117	5 D	105	19		
	100	HIRA	45 C	0115.5		19		1100 D		
	100	HIRA		0115.5	0116.7U		2000 D			WL
	100	HIRA		0115.5	0118 U		2000 D			WL
	100	HIRA		0115.5	0119.6U		2000 D			WL
	100	HIRA		0115.5	0121.5U		2000 D			WL
	200	HIRA	45 C	0115.5		18		150 D		
	200	HIRA		0115.5	0116.7U		370 D			WL
	200	HIRA		0115.5	0118 U		370 D			WL
	200	HIRA		0115.5	0120 U		370 D			WL
	2000	TYKW	45 C	0115	0116.8	10	195	25		02R
	3750	TYKW	45 C	0115	0116.7	10	190	40		05R/05L
	3750	TYKW	29 PBI	0125		5	2	1		252073F

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22	9400	TYKW	45 C	0115	0117.5	11	590	140		02R
	9400	TYKW	29 PBI	0126		14	4	2		
	2695	PENT	4 S/F	0115	0117	13	190	23		
	8800	MANI	4	0116 U	0117.8U	7.8U	330 U	91 U		
	2695	MANI	4	0116 U	0116.9U	8.7U	92 U	17.4U		RAIN
	1415	MANI	4	0116 U	0117 U	8.7U	146 U	36.5U		RAIN
	4995	MANI	4	0116 U	0117.8U	8.3U	110 U	36 U		
	500	HIRA	45 C	0116		10		70		
	500	HIRA		0116	0116.8		3000			
	500	HIRA		0116	0117.8		370			
	606	MANI	8	0116.9	0117	.3	2600	470		
	2695	BOUL	23 GRF	0117	0117.5	5.5D	257	52		
	9650	IRKU	2 S	0118	0119	3	650			
	2000	TYKW	31 ABS	0125	0200	100	-1.4	-0.7		
	1000	TYKW	31 ABS	0125	0200	90	-0.8	-0.4		
	3750	TYKW	31 ABS	0130	0230	120	-4	-2		
	100	HIRA	45 C	0140.5	0150.3	10	30	15		SR
	9400	TYKW	31 ABS	0140	0240 U	120	-6	-3		RAIN
	200	HIRA	45 C	0141	0141.5	10	8	4		SLSR
	200	HIRA	45 C	0232	0236	8	6	3		WL
	29	UPIC	46 C	0525.5	0528.4	4.4				
	2695	MANI	40	0525.5U	0525.8U	6 U	10.1U	2.9U		RFI
	1415	MANI	40	0525.5	0528.4	6	25.8	4.3		
	33	UPIC	46 C	0525.6	0528.3	3.5				
	1420	SYDN	45 C	0525.8	0528.3	3.7				
	3100	CRIM	40 F	0525	0529	7	3			
	720	SYDN	40 F	0526	0528.1	3				
	100	HIRA	45 C	0526.3	0527.1	1.3	120	40		WL
	606	MANI	40	0526.4	0528.3	2.6	118	8.8		
	200	HIRA	45 C	0526		4		10		
	200	HIRA		0526	0528.2		150			OL
	200	HIRA		0526	0526.5		50			OL
	200	HIRA		0526	0529.1		55			OL
	4995	MANI	4	0527.7	0528.6	4.8	12	5.2		
	8800	MANI	4	0527.7	0528.6	4.8	64	25.1		
	9650	IRKU	2 S	0528	0528.3	3	56			
	100	HIRA	45 C	0528	0528.3	1	500	100		WL
	500	HIRA	5 S	0528	0528.4	0.7	220	120		
	606	MANI	40	0557.7	0601.4	11.2	34.3	5.4		
	1000	TYKW	45 C	0559	0604.4	7	22	3		OR
	2000	TYKW	45 C	0559	0601.8	11	22	3		OR
	500	HIRA	41 F	0600	0602.5	6	50			
	9650	IRKU	1 S	0600	0601	2	24			
	1415	MANI	40	0600.5	0602.5	4.5	16.3	3.4		
	4995	MANI	2	0600.5	0602.5	3.2	7.6	1.5		
	2695	MANI	2	0600.5	0602.5	3.9	5.8	2.2		
	8800	MANI	4	0600.5	0602.5	3.2	23.9	8.6		
	3100	CRIM	45 C	0600	0601		6	2		
	3100	CRIM		0600	0603	5	7	2		
	3100	CRIM		0600	0604		6	2		
	100	HIRA	45 C	0600 U		7		70		
	100	HIRA		0600 U	0603.4		400			WL
	200	HIRA		0600 U	0605.4		260			OR
	200	HIRA	45 C	0600 U		6		90		
	200	HIRA		0600 U	0604		300			OR
	100	HIRA		0600 U	0605		320			WL
	3750	TYKW	45 C	0600	0602.4	6	10	2		OL
	9400	TYKW	45 C	0600	0600.9	3 U	30	15 U		OLRAIN
	33	UPIC	46 C	0601	0603.2	4.4				
	29	UPIC	46 C	0601.1	0603.2	3.5				
	228	HARS	46 C	0601.7	0605.2	4.3	200	50		
	228	HARS		0602.7	0603.5	0.8	75			
	228	HARS		0604	0604.2	1	25			
	100	HIRA	45 C	0612.3	0614.1	2.7	290	80		WL
	1470	BERL	4	0920.5	0922	3.5	18	1.2		
	9500	BERL	1	0920	0921.5	5	6.2			
	6100	KISV	1 S	0921	0922.1	6	5			
	1420	ARCE	8	0921.3	0922.2	1.6				
	3100	CRIM	1 S	0921	0922	2	4	1		
	3000	BERL	1	0921	0921.5	2	4.7	2		
	9240	ARCE	1	0922.1	0922.3	0.6				
	4995	SGMR	4 S/F	1025.2	1027.8	5.9	191.9	57.6		
	6100	KISV	3 S	1026	1034	8	45			
	8800	SGMR	4 S/F	1026.4	1028.1	5.8	219.3	65.8		
	113	POTS	45 C	1026.8	1027.2	2	150	25		
	510	POTS	45 C	1027	1027.1	0.2	120	25		
	9500	BERL	3	1027	1027.2	3	30	7.5		
	1420	ARCE	3	1027.1	1027.7	1.7				
	9240	ARCE	3	1027.2	1027.8	4				
	1470	BERL	4	1027.2	1027.2	5.5	9.4			
	245	SGMR	6 S	1027.2	1027.7	4.6	9.1	1.8		
	29	UPIC	4 S/F	1027.2	1027.9	1.6				
	33	UPIC	4 S/F	1027.3	1027.8	1.7				
	408	TRST	42	1027.3	1031.4	4.6	44			
	260	ONDR	45 C	1027.3	1027.3	5	38	3.5		

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	410	SGMR	41	F	1027.3	1031.5	4.8	32	6.4		
	1415	SGMR	41	F	1027.3	1027.7	5.5	8.8	1.8		
	2695	SGMR	4	S/F	1027.3	1027.8	2.4	53	15.9		
	127	TORN	42	SER	1027.5	1028	8	73			
	606	SGMR	41	F	1027.7	1031.3	5.3	17.4	3.5		
	3100	CRIM	3	S	1027	1028	5	35	12		
	237	TRST	41		1030.3	1030.6	1.5	64			R
	1420	ARCE	2		1030.9	1031.2	0.8				
	930	BORD	45	C	1031.1	1031.3	0.9	41	3		
	29	UPIC	3	S	1031.4	1031.7	0.4				
	33	UPIC	3	S	1031.5	1031.6	0.8				
	9240	ARCE	22		1207.1	1233.9	85.5				
	2800	OTTA	1	S	1214	1215	2	1	0.5		
	29	UPIC	2	S/F	1225.1	1225.3	0.7				
	33	UPIC	2	S/F	1225.3	1225.6	0.6				
	260	ONDR	42	SER	1225	1235	62	37	4		
	3000	BERL	46		1226	1233	12	29	2.8		
	2695	SGMR	22	GRF	1229.3	1233.3	10.1	86.2	25.9		
	15400	SGMR	4	S/F	1229.5	1233.7	9	15.4	4.6		
	35000	SGMR	4	S/F	1229.5	1230.2	1.5	173	52		
	4995	SGMR	2	S/F	1229.6	1233.6	8.9	8.8	2.6		
	8800	SGMR	4	S/F	1229.6	1233.6	8.9	19.7	5.9		
	9500	BERL	45		1231	1233.3	4	8.7	3.7		
	1470	BERL	46		1231	1231.6	6	7.7	3		
	1420	ARCE	40		1231.4	1231.8	6				
	2800	OTTA	45	C	1231.5	1231.9	4	8.8	3.6		
	1415	SGMR	2	S/F	1231.5	1233.2	8.9	8.9	3.5		
	808	ONDR	4	S/F	1231.5	1233.3	5	50	14.5		
	3100	CRIM	45	C	1231	1232	5	6	2		
	3100	CRIM			1231	1233		7	2		
	930	BORD	45	C	1231	1233.7	5	32	6		
	606	SGMR	4	S/F	1232	1233.2	6.4	58	17.4		
	510	POTS	45	C	1232	1233	2.5	15	2		
	536	ONDR	45	C	1232.6	1232.6	3.5	32	19.6		
	410	SGMR	6	S	1232.7	1233.2	4.8	13.3	4		
	7000	SAOP	1	S	1232.8	1233.7	2.7	19.4	11.4		
	29	UPIC	3	S	1233.1	1233.8	1.2				
	9400	HUAN	3	S	1233.3	1233.6	2.4	13.2	4.6		
	245	SGMR	6	S	1233.3	1235.6	4.6	15.2	4.6		
	33	UPIC	3	S	1233.4	1233.9	1.1				
	237	TRST	41		1235.2	1235.8	2	61 D			
	245	SGMR	6	S	1302.3	1318.1	23.1	5.4	1.1		
	410	SGMR	6	S	1303.3	1318.8	21.5	1.5	.3		
	9240	ARCE	40		1357.7	1403.3	8				
	410	SGMR	41	F	1714.4	1714.7	5.9	5.8	1.2		
	245	SGMR	41	F	1714.4	1719.1	7.6	14.5	2.9		
	18	MCMA	6	S	1720	1721	2			1	
	930	BORD	45	C	1739.9	1740	0.1	10	2		
	245	SGMR	6	S	1759.8	1800.8	1.5	2.6	.8		
	410	SGMR	6	S	1800.6	1800.7	.2	2.5	.8		
	4995	BOUL	8	S	2219.5	2221	3	14	4		
	1420	BOUL	1	S	2220.5	2221.5	2	2	1		
	8800	PALE	1	S	2221 U	2221 U	2 U	6.5	1.9U		
	2695	BOUL	8	S	2221.5	2223	3	14	5		
	245	SGMR	41	F	2221.7	2225.8	5.5	104.9	21		
	100	HIRA	45	C	2221.8	2222.2	0.6	90	30		WL
	200	HIRA	45	C	2221.8	2222.2	0.6	20	10		WL
	2000	TYKW	5	S	2221	2222.1	3	11	2		OL
	3750	TYKW	5	S	2221	2221.8	2	17	4		OL
	2800	OTTA	3	S	2221	2222	2	16.4	6		
	2800	OTTA	29	PBI	2223	2223	10	0.6	0.3		
	410	SGMR	41	F	2222	2225.1	10.5	10.4	2.1		
	200	HIRA	45	C	2225.2	2225.3	2	60	10		WL
	100	HIRA	45	C	2225.7	2225.8	1.5	65	15		WL
23	260	ONDR	1	S	1143.7	1143.7	2	6	2.5		
	7000	SAOP	20	GRF	1809.8		4.6	3.5			
24	3100	CRIM	24	R	0750	0836		2			
	2800	OTTA	20	GRF	1235	1255	85	1.4	0.7		
	18	MCMA	6	S	1547	1549	2			1	
25	260	ONDR	43	NS	0740		126	21			
	245	SGMR	43	NS	1313	1422.3	167	3.5			
	2800	OTTA	240	R	1430	1450	20	1.8	0.9		
	2800	OTTA	24P	R	1450		660 D	1.8			
	245	SGMR	6	S	1812.1	1813.3	2.8	12.2	3.7		
	1415	SGMR	3	S	1812.9	1813.2	.9	58	17.4		
	606	SGMR	3	S	1813	1813.3	.7	128	38.3		
	410	SGMR	6	S	1813	1813.3	.7	1.9	.6		
	2695	SGMR	3	S	1813.1	1813.2	.2	16.7	5		
	18	MCMA	6	S	1838	1841	4			2	
	2800	OTTA	20	GRF	1920	1935	40	1.6	1		
	2000	TYKW	5	S	2135.5	2136	1.5	2.5	0.8		OR
	3750	TYKW	5	S	2135.5	2136	1.5	5	2		OL

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OUTSTANDING OCCURRENCES

AUGUST 1975

AUG 1975	FREQUENCY	STATION	TYPE	STARTING TIME UT	TIME OF MAXIMUM UT	DURATION MINUTES	FLUX DENSITY 10^{-22} Wm^{-2} Hz^{-1} PEAK	FLUX DENSITY MEAN	INT	POLARIZATION OR REMARKS
	9400	TYKW	5 S	2135.5	2136	1.5	10	3		OL
26	2000	TYKW	5 S	0756.5	0757.5	2	2	1		OR
	3750	TYKW	5 S	0757	0757.6	1.5	3	1		OL
	1000	TYKW	5 S	0757	0757.9	1.5	1.5	0.7		OR
	9400	TYKW	5 S	0757	0757.4	1.5	7	3		OL
	2800	OTTA	27 RF	1124		336	1.4	1.2		
	2800	OTTA	24 R	1124	1200	36	1.4	1		
	2800	OTTA	24P R	1200		240	1.4			
	245	SGMR	43 NS	1240.4	1246	36.8	2.3			
	245	SGMR	6 S	1539.4	1543.2	4.2	6.3	1.9		
	410	SGMR	6 S	1543.1	1543.3	.4	1.9	.6		
	2800	OTTA	26 FAL	1600	1700	60	-1.4	-0.7		
27	260	ONDR	44 NS	0655 E		515 D	35			
	245	SGMR	44 NS	1006 E	1559.6	797 D	60.5			
	207	VORO	44 NS	2100	2205	240	15			
	221	ABST	6 S	0815.5	0816	1	28			
	221	ABST	6 S	1001	1001.5	0.5	15			
28	3750	TYKW	5 S	0427.5	0428.7	3.5	6	2		OL
	1420	SYDN	45 C	0427.8	0428.7	2				
	720	SYDN	45 C	0428	0428.8	1.3				
	2000	TYKW	5 S	0428	0428.8	3	5	1.5		OR
	1000	TYKW	5 S	0428	0428.9	2	2	0.8		OR
	9400	TYKW	5 S	0428	0428.7	2	3	1		OL
	200	HIRA	45 C	0621.5	0622.1	2	80	30		SR
	9500	BERL	20	1001	1006.5	24	5			
	1470	BERL	22	1003.5	1004	12	1			
	3000	BERL	22	1003	1006.2	20	2.2			
	2800	OTTA	1 S	1304.5	1305	3	4	2		
	3000	BERL	1	1304	1304.5	3	3.7	1.4		
	1470	BERL	1	1304	1304.8	2	1.6			
	18	MCMA	6 S	1610	1613	7			2	
	9400	HUAN	3 S	2132.5	2208.3	41.6	15.8	5.7		
	2695	PENT	20 GRF	2330	2350	90 D	2.2			
29	3100	CRIM	1 S	0549	0550	2	2			
	260	ONDR	44 NS	0635 E		512 D	8			
	3100	CRIM	24 R	0800	1146		4			
	930	BORD	3 S	1453	1455.5	10	13	5		
	245	SGMR	43 NS	1746.8	1914.2	332.20	16.5			
	410	SGMR	43 NS	2003.8	2004.5	195.20	11.5			
	9400	HUAN	20 GRF	2149.6	2213.9	32.7	13.4	12.4		
30	9400	HUAN	20 GRF	2150.4	2208	21.2	13.5	4.6		
31	9240	ARCE	20	0714.9	0732.2	44				
	18	MCMA	6 S	1833	1834	2			1	

Reports received from the following observatories:

ABST = Abastumani
ARCE = Arcetri
BERL = Berlin-Adlershof
BORD = Bordeaux
BOUL = Boulder
CRIM = Simferopol
DWIN = Dwingeloo
GORK = Gorky
HARS = Harestua
HIRA = Hiraiso
HUAN = Huancayo
IRKU = Irkutsk
IZMI = Moscow Izmiran
KIEV = Kiev
KISV = Kislovodsk
MANI = Manila
MCMA = McMath-Hulbert
ONDR = Ondrejov
OTTA = Ottawa
PENN = Penn. State Univ.
PENT = Penticton
POTS = Potsdam
SAOP = Sao Paulo
SGMR = Sagamore Hill
SYDN = Sydney
TORN = Torun
TYKW = Toyokawa
TRST = Trieste
UPIC = Upice
VORO = Voroshilov (Ussurisk)

JULY 1975 DATA

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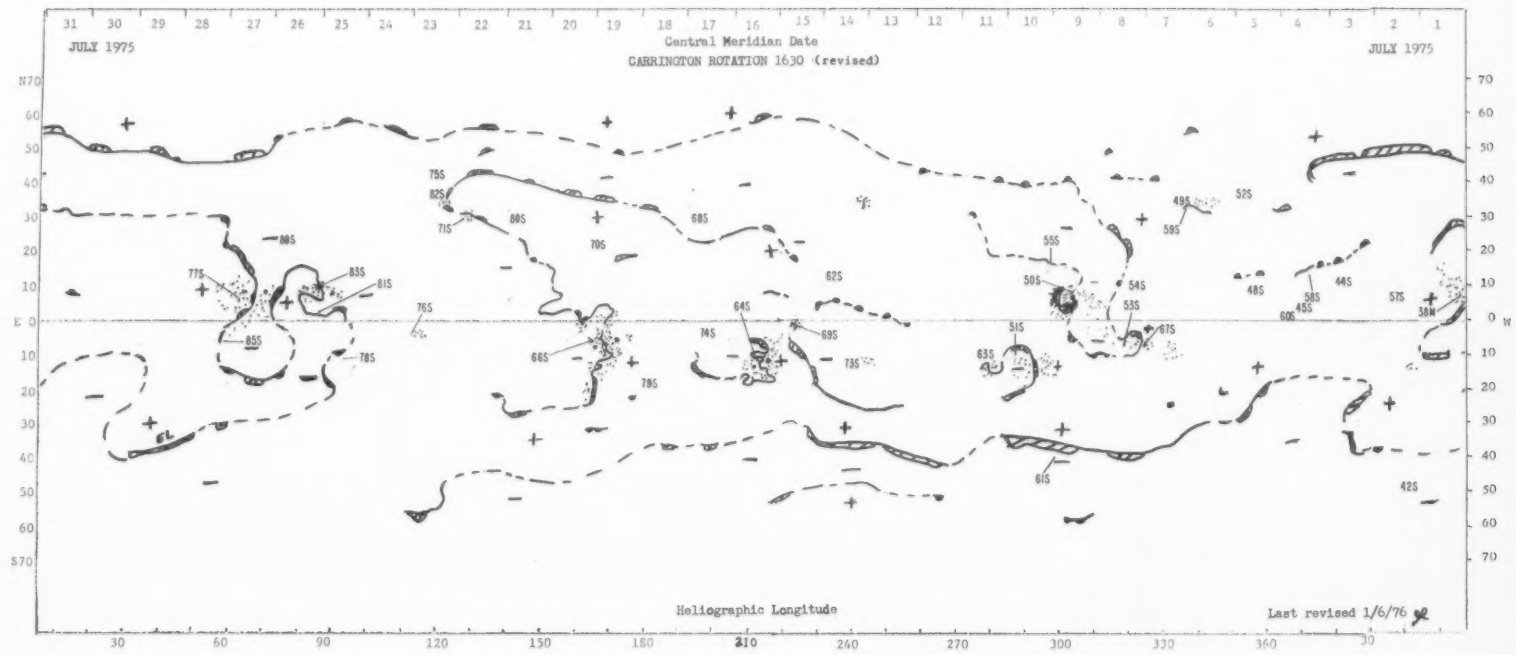
ABBREVIATED CALENDAR RECORD

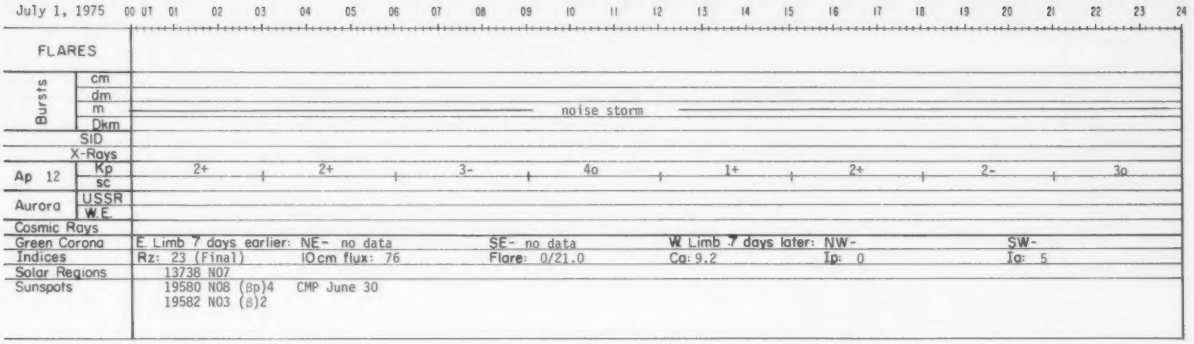
Hα SYNOPTIC CHART

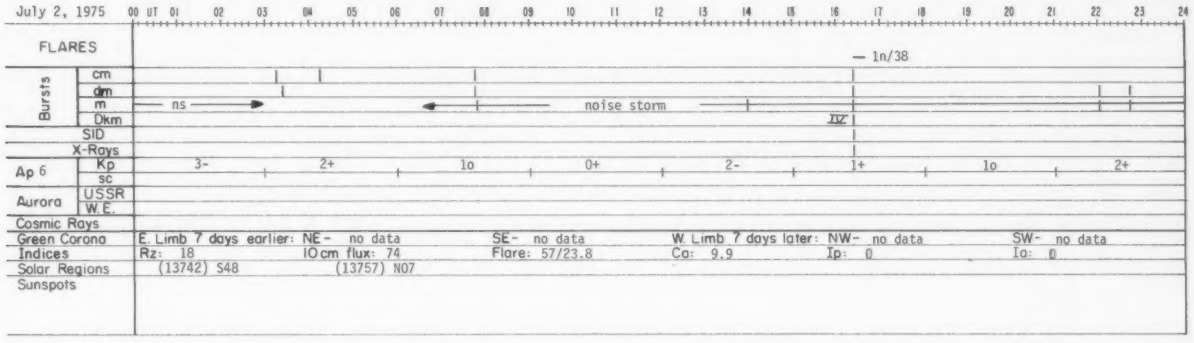
JULY 1975

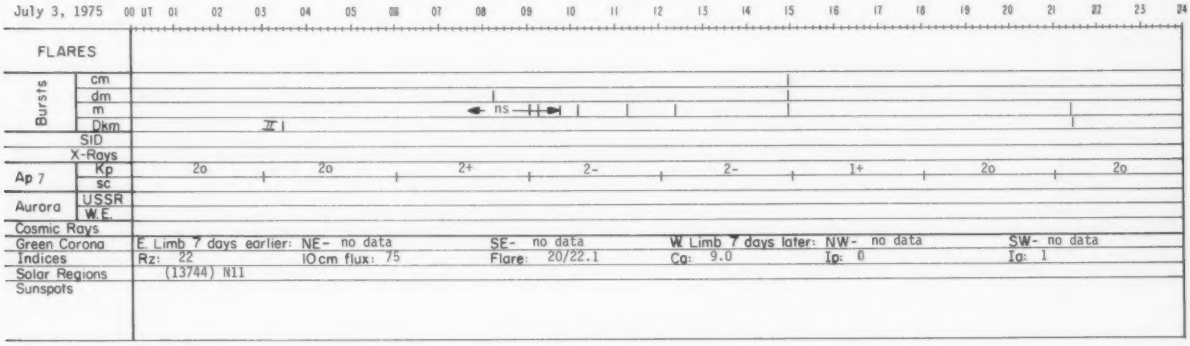


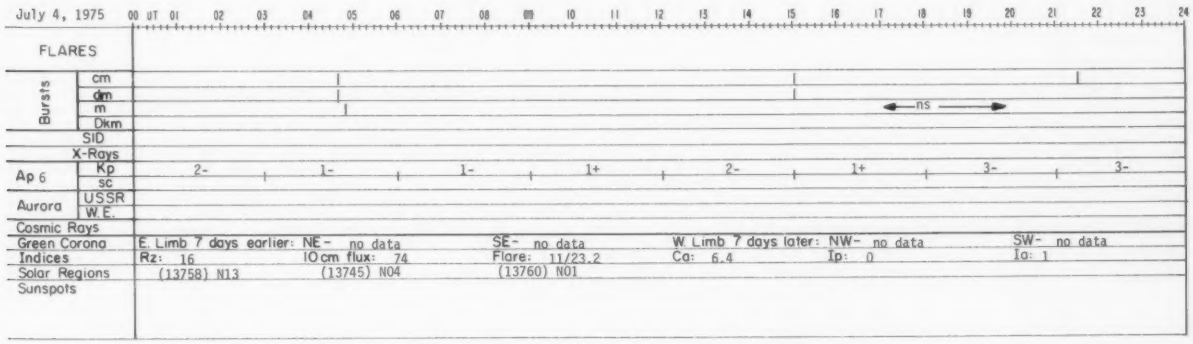
ABBREVIATED CALENDAR RECORD

JULY 1975









July 5, 1975 00 UT 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

FLARES

Bursts: cm, dm, m, Dkm — noise storm

SID

X-Rays

Ap 500 — Kp: 1+ 0+ 2- 1o 1+ 1o 1o 2o

Aurora — USSR, W.E.

Cosmic Rays

Green Corona

Indices — E. Limb 7 days earlier: NE- no data; SE- no data; W. Limb 7 days later: NW- no data; SW- no data
Rz: 23; 10cm flux: 74; Flare: 3/23.6; Ca: 4.8; Ip: 0; Ia: 0

Solar Regions — (13748) N09; (13752) N36

Sunspots

July 6, 1975 00 UT 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

FLARES

Bursts: cm, dm, m, Dkm — noise storm

SID

X-Rays

Ap 60 — Kp: 0+ 1o 1o 0+ 1o 2+ 3o 2+
▲ 1721(14)

Aurora — USSR, W.E.

Cosmic Rays

Green Corona

Indices — E. Limb 7 days earlier: NE- no data; SE- no data; W. Limb 7 days later: NW-; SW- no data 250°
Rz: 33; 10cm flux: 74; Flare: 3/24.0; Ca: 5.7; Ip: 0; Ia: 0

Solar Regions

Sunspots

July 7, 1975 00 UT 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

FLARES

Bursts: cm, dm, m, Dkm

SID

X-Rays

Ap 12 — Kp: 4+ 2+ 1+ 2o 3- 2o 3- 3o

Aurora — USSR, W.E.

Cosmic Rays

Green Corona

Indices — E. Limb 7 days earlier: NE-; SE-; W. Limb 7 days later: NW-; SW-
Rz: 23; 10cm flux: 72; Flare: 11/23.6; Ca: 5.8; Ip: 0; Ia: 1

Solar Regions — (13749) N34; (13759) N32

Sunspots

July 8, 1975 00 UT 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

FLARES

Bursts: cm, dm, m, Dkm

SID

X-Rays

Ap 370 — Kp: 4o 6o 4+ 5o 5o 5- 3o 1+

Aurora — USSR, W.E.

Cosmic Rays

Green Corona

Indices — E. Limb 7 days earlier: NE- no data; SE- no data; W. Limb 7 days later: NW- no data; SW- no data
Rz: 19; 10cm flux: 72; Flare: 7/22.8; Ca: 5.7; Ip: 0; Ia: 6

Solar Regions — (13767) S08; (13754) N09; 13753 S08; 19585 S08 (Bp)2

Sunspots

July 9, 1975 00 UT 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

FLARES

Bursts: cm, dm, m, Dkm

SID

X-Rays

Ap 35D — Kp: 2- 4+ 4o 7- 5+ 4- 3- 3-

Aurora: USSR, W.E.

Cosmic Rays

Green Corona — E. Limb 7 days earlier: NE- no data; SE- no data; W. Limb 7 days later: NW- no data; SW- no data

Indices — Rz: 16; 10cm flux: 71; Flare: 6/24.0; Ca: 5.2; Ip: 0; Ia: 4

Solar Regions — 13750 N06 (2); (13761) S40

Sunspots — 19584 N06 (βp)4; 19586 N06 α; 19587 N09 (αp)4

July 10, 1975 00 UT 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

FLARES

Bursts: cm, dm, m, Dkm

SID

X-Rays

Ap 17 — Kp: 1o 3+ 4- 3o 4o 3+ 3o 3o

Aurora: USSR, W.E.

Cosmic Rays

Green Corona — E. Limb 7 days earlier: NE- no data; SE- no data; W. Limb 7 days later: NW- no data; SW- no data

Indices — Rz: 23; 10cm flux: 71; Flare: 25/22.9; Ca: 4.3; Ip: 0; Ia: 4

Solar Regions — (13755) N14; 13751 S10 (2)

Sunspots

July 11, 1975 00 UT 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

FLARES

Bursts: cm, dm, m — noise storm — ns, Dkm

SID

X-Rays

Ap 18D — Kp: 3o 3- 5o 4o 4o 2o 2+ 1-

Aurora: USSR, W.E.

Cosmic Rays

Green Corona — E. Limb 7 days earlier: NE- no data; SE- no data; W. Limb 7 days later: NW- no data; SW- no data

Indices — Rz: 29; 10cm flux: 75; Flare: 18/23.1; Ca: 5.8; Ip: 0; Ia: 4

Solar Regions — 13763 S10

Sunspots

July 12, 1975 00 UT 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

FLARES

Bursts: cm, dm, m — ns — noise storm, Dkm

SID

X-Rays

Ap 5QQ — Kp: 2- 1o 2o 0+ 1o 2- 2+ 1+

Aurora: USSR, W.E.

Cosmic Rays

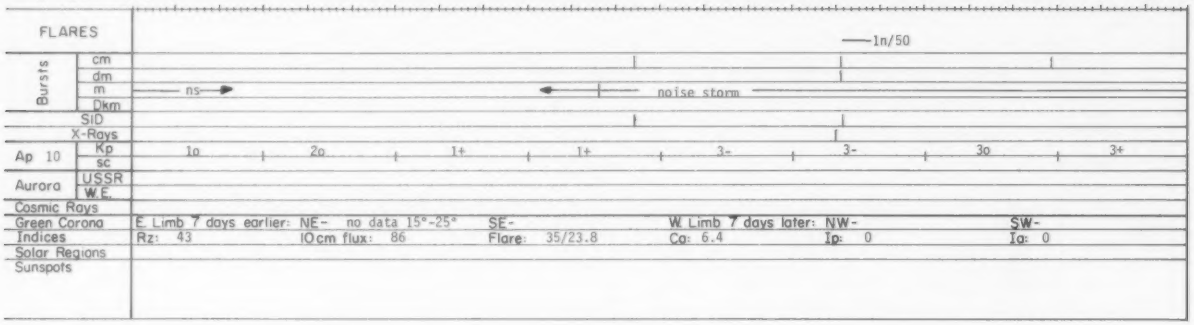
Green Corona — E. Limb 7 days earlier: NE- no data; SE- no data; W. Limb 7 days later: NW- no data; SW- no data

Indices — Rz: 33; 10cm flux: 80; Flare: 20/23.6; Ca: 7.1; Ip: 0; Ia: 1

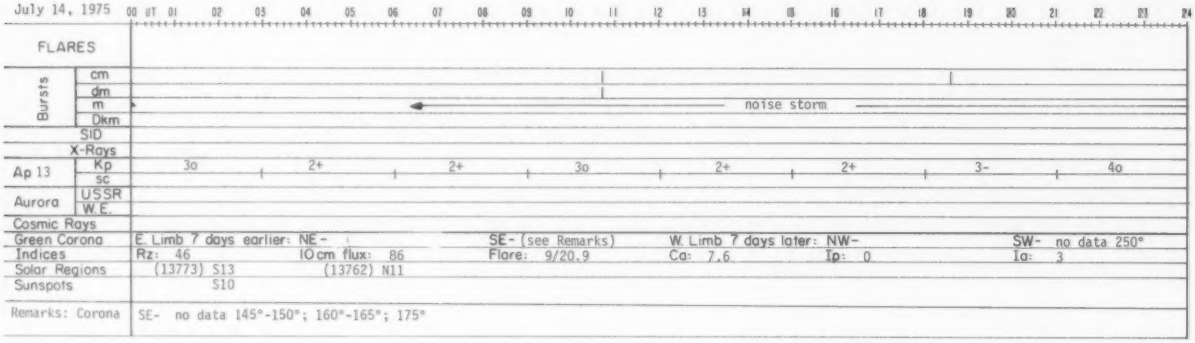
Solar Regions

Sunspots

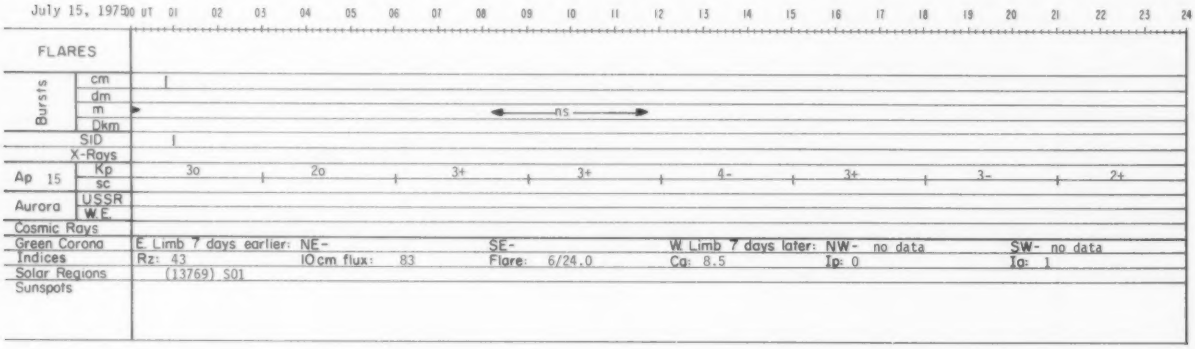
July 13, 1975 00 UT 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24



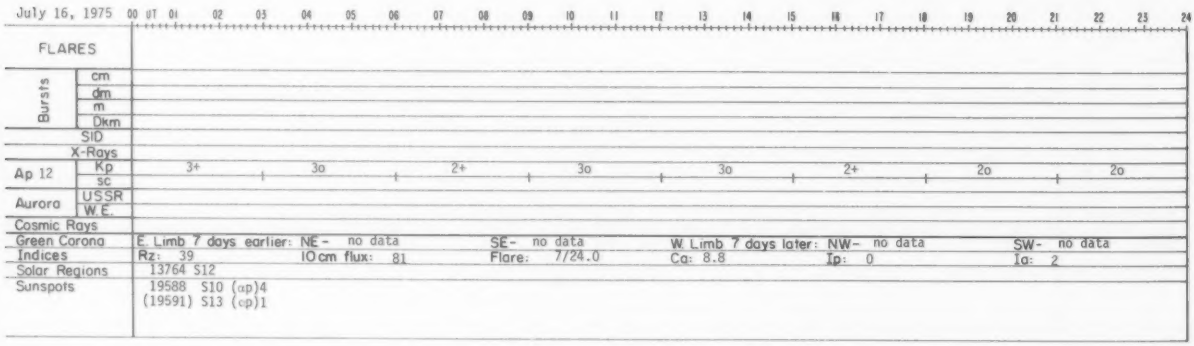
July 14, 1975 00 UT 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

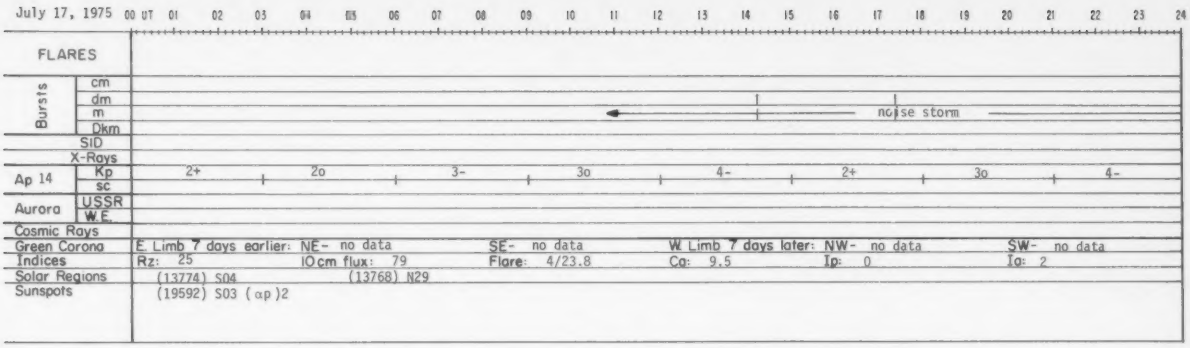


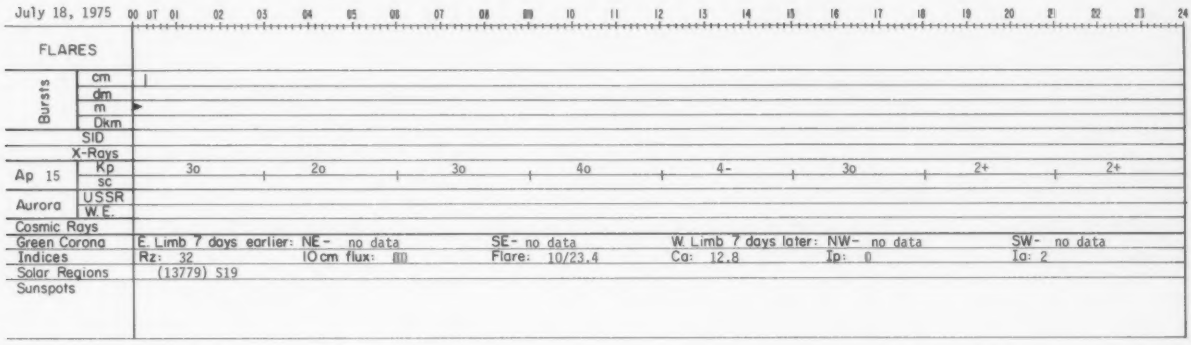
July 15, 1975 00 UT 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

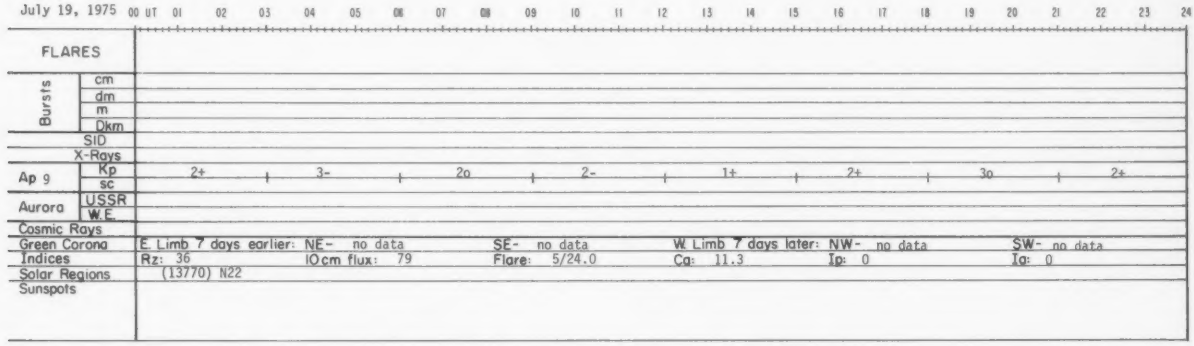


July 16, 1975 00 UT 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24




July 17, 1975
00 UT 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
FLARES
Bursts
cm
dm
m
Dkm
noise storm
SID
X-Rays
Ap 14
Kp
sc
2+ 2o 3- 3o 4- 2+ 3o 4-
Aurora
USSR
W.E.
Cosmic Rays
Green Corona
E. Limb 7 days earlier: NE- no data SE- no data W. Limb 7 days later: NW- no data SW- no data
Indices
Rz: 25 10cm flux: 79 Flare: 4/23.8 Ca: 9.5 Ip: 0 Ia: 2
Solar Regions
(13774) S04 (13768) N29
Sunspots
(19592) S03 (αp)2


July 18, 1975
00 UT 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
FLARES
Bursts
cm
dm
m
Dkm
SID
X-Rays
Ap 15
Kp
sc
3o 2o 3o 4o 4- 3o 2+ 2+
Aurora
USSR
W.E.
Cosmic Rays
Green Corona
E. Limb 7 days earlier: NE- no data SE- no data W. Limb 7 days later: NW- no data SW- no data
Indices
Rz: 32 10cm flux: [illegible] Flare: 10/23.4 Ca: 12.8 Ip: 0 Ia: 2
Solar Regions
(13779) S19
Sunspots


July 19, 1975
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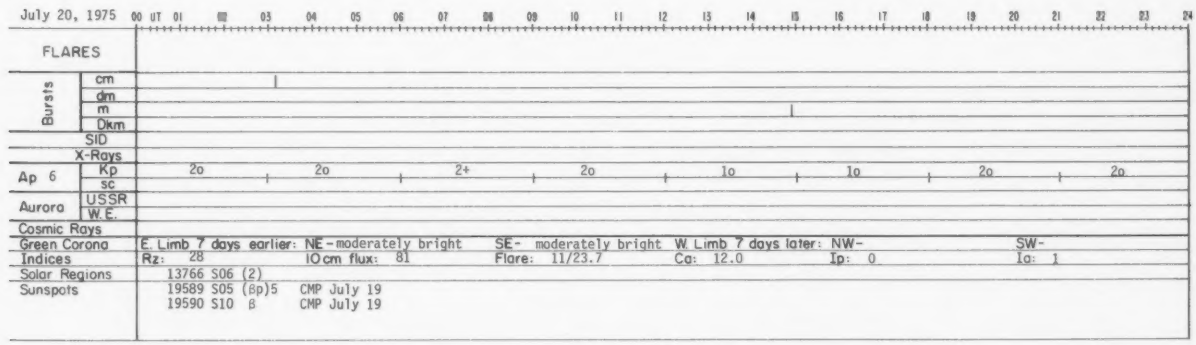
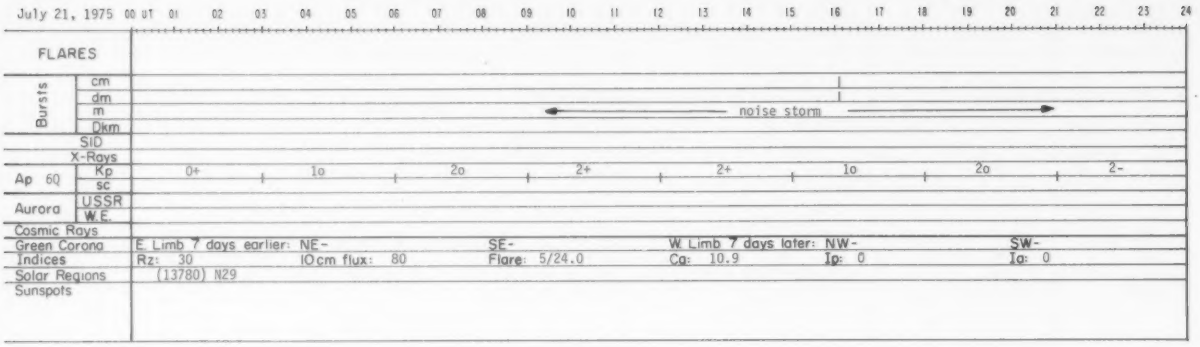
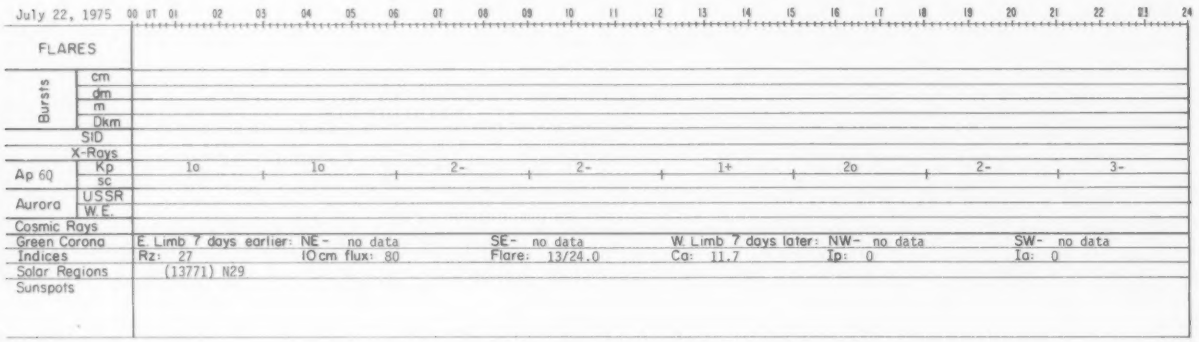
FLARES
Bursts
cm
dm
m
Dkm
SID
X-Rays
Ap 9
Kp
sc
2+ 3- 2o 2- 1+ 2+ 3o 2+
Aurora
USSR
W.E.
Cosmic Rays
Green Corona
E. Limb 7 days earlier: NE- no data SE- no data W. Limb 7 days later: NW- no data SW- no data
Indices
Rz: 36 10cm flux: 79 Flare: 5/24.0 Ca: 11.3 Ip: 0 Ia: 0
Solar Regions
(13770) N22
Sunspots


July 20, 1975
00 UT 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
FLARES
Bursts
cm
dm
m
Dkm
SID
X-Rays
Ap 6
Kp
sc
2o 2o 2+ 2o 1o 1o 2o 2o
Aurora
USSR
W.E.
Cosmic Rays
Green Corona
E. Limb 7 days earlier: NE-moderately bright SE- moderately bright W. Limb 7 days later: NW- SW-
Indices
Rz: 28 10cm flux: 81 Flare: 11/23.7 Ca: 12.0 Ip: 0 Ia: 1
Solar Regions
13766 S06 (2)
Sunspots
19589 S05 (βp)5 CMP July 19
19590 S10 β CMP July 19


July 21, 1975
00 UT 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
FLARES
Bursts
cm
dm
m
Dkm
noise storm
SID
X-Rays
Ap 6Q
Kp
sc
0+ 1o 2o 2+ 2+ 1o 2o 2-
Aurora
USSR
W.E.
Cosmic Rays
Green Corona
Indices
Solar Regions
Sunspots
E Limb 7 days earlier: NE- SE- W Limb 7 days later: NW- SW-
Rz: 30 10cm flux: 80 Flare: 5/24.0 Ca: 10.9 Ip: 0 Ia: 0
(13780) N29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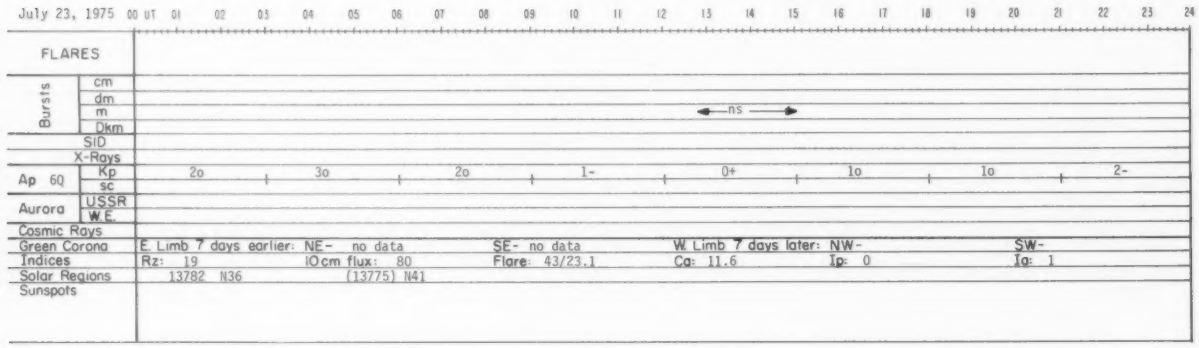
FLARES
Bursts
cm
dm
m
Dkm
SID
X-Rays
Ap 6Q
Kp
sc
1o 1o 2- 2- 1+ 2o 2- 3-
Aurora
USSR
W.E.
Cosmic Rays
Green Corona
Indices
Solar Regions
Sunspots
E Limb 7 days earlier: NE- no data SE- no data W Limb 7 days later: NW- no data SW- no data
Rz: 27 10cm flux: 80 Flare: 13/24.0 Ca: 11.7 Ip: 0 Ia: 0
(13771) N29


July 23, 1975
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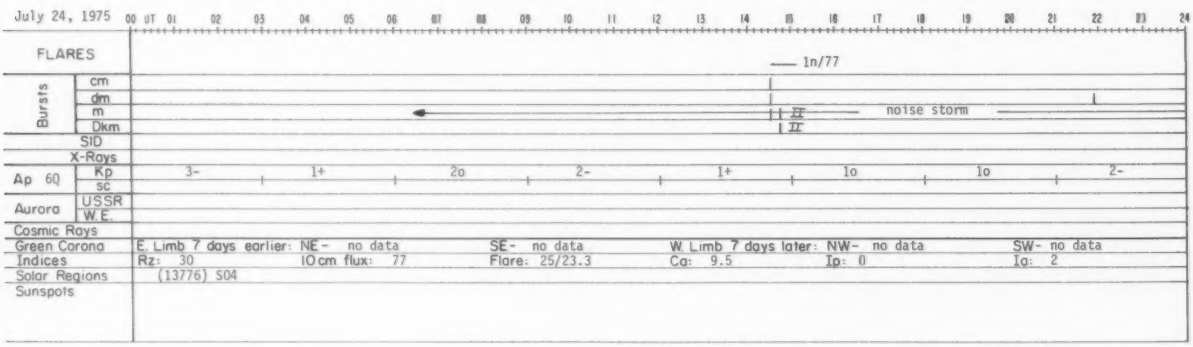
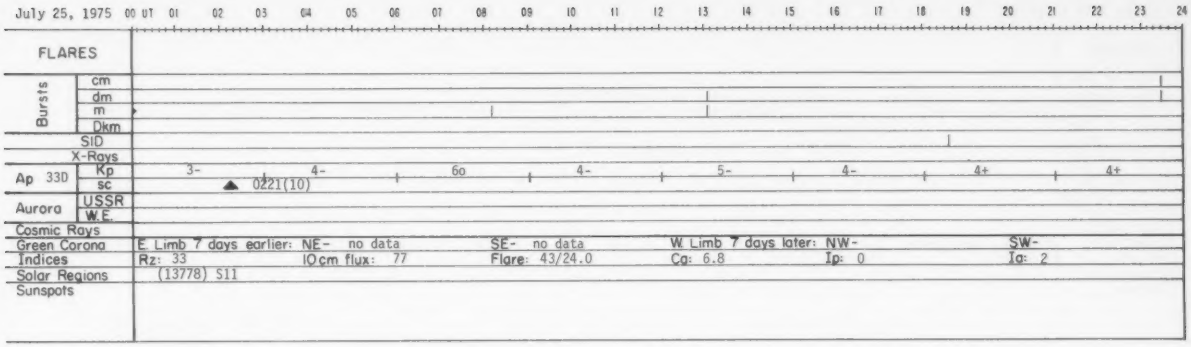
FLARES
Bursts
cm
dm
m
Dkm
ns
SID
X-Rays
Ap 6Q
Kp
sc
2o 3o 2o 1- 0+ 1o 1o 2-
Aurora
USSR
W.E.
Cosmic Rays
Green Corona
Indices
Solar Regions
Sunspots
E Limb 7 days earlier: NE- no data SE- no data W Limb 7 days later: NW- SW-
Rz: 19 10cm flux: 80 Flare: 43/23.1 Ca: 11.6 Ip: 0 Ia: 1
13782 N36 (13775) N41


July 24, 1975
00 UT 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
FLARES
1n/77
Bursts
cm
dm
m
Dkm
noise storm
SID
X-Rays
Ap 6Q
Kp
sc
3- 1+ 2o 2- 1+ 1o 1o 2-
Aurora
USSR
W.E.
Cosmic Rays
Green Corona
Indices
Solar Regions
Sunspots
E Limb 7 days earlier: NE- no data SE- no data W Limb 7 days later: NW- no data SW- no data
Rz: 30 10cm flux: 77 Flare: 25/23.3 Ca: 9.5 Ip: 0 Ia: 2
(13776) S04


July 25, 1975
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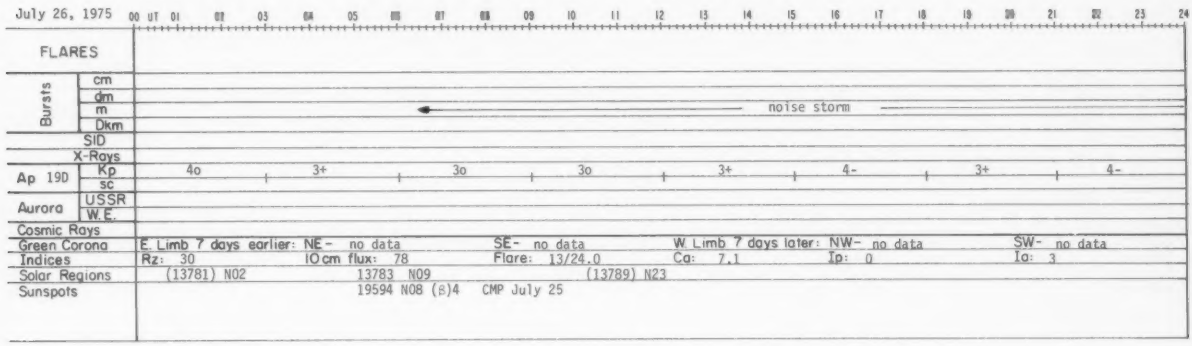
FLARES
Bursts
cm
dm
m
Dkm
SID
X-Rays
Ap 33D
Kp
3- 4- 6o 4- 5- 4- 4+ 4+
sc
0221(10)
Aurora
USSR
W.E.
Cosmic Rays
Green Corona
E Limb 7 days earlier: NE- no data SE- no data W Limb 7 days later: NW- SW-
Indices
Rz: 33 10cm flux: 77 Flare: 43/24.0 Cg: 6.8 Ip: 0 Ig: 2
Solar Regions
(13778) S11
Sunspots


July 26, 1975
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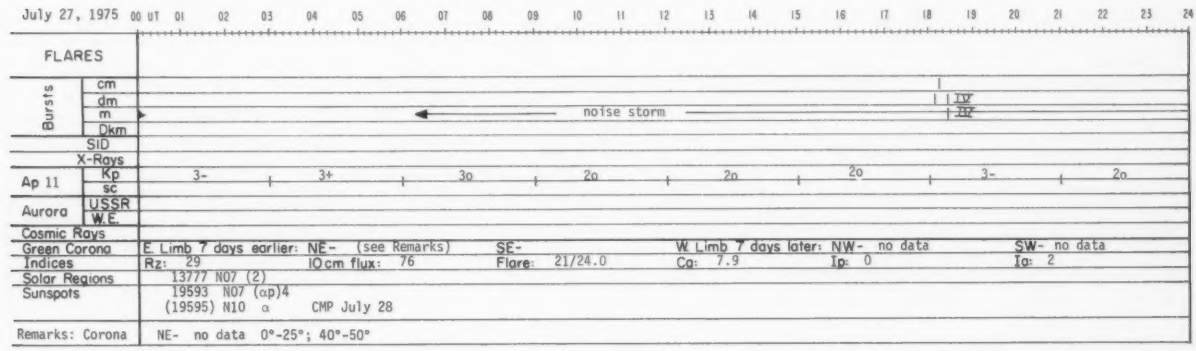
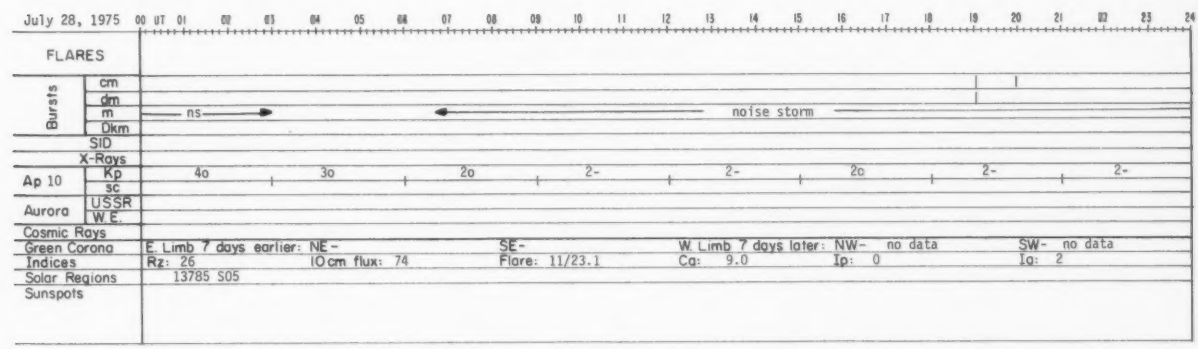
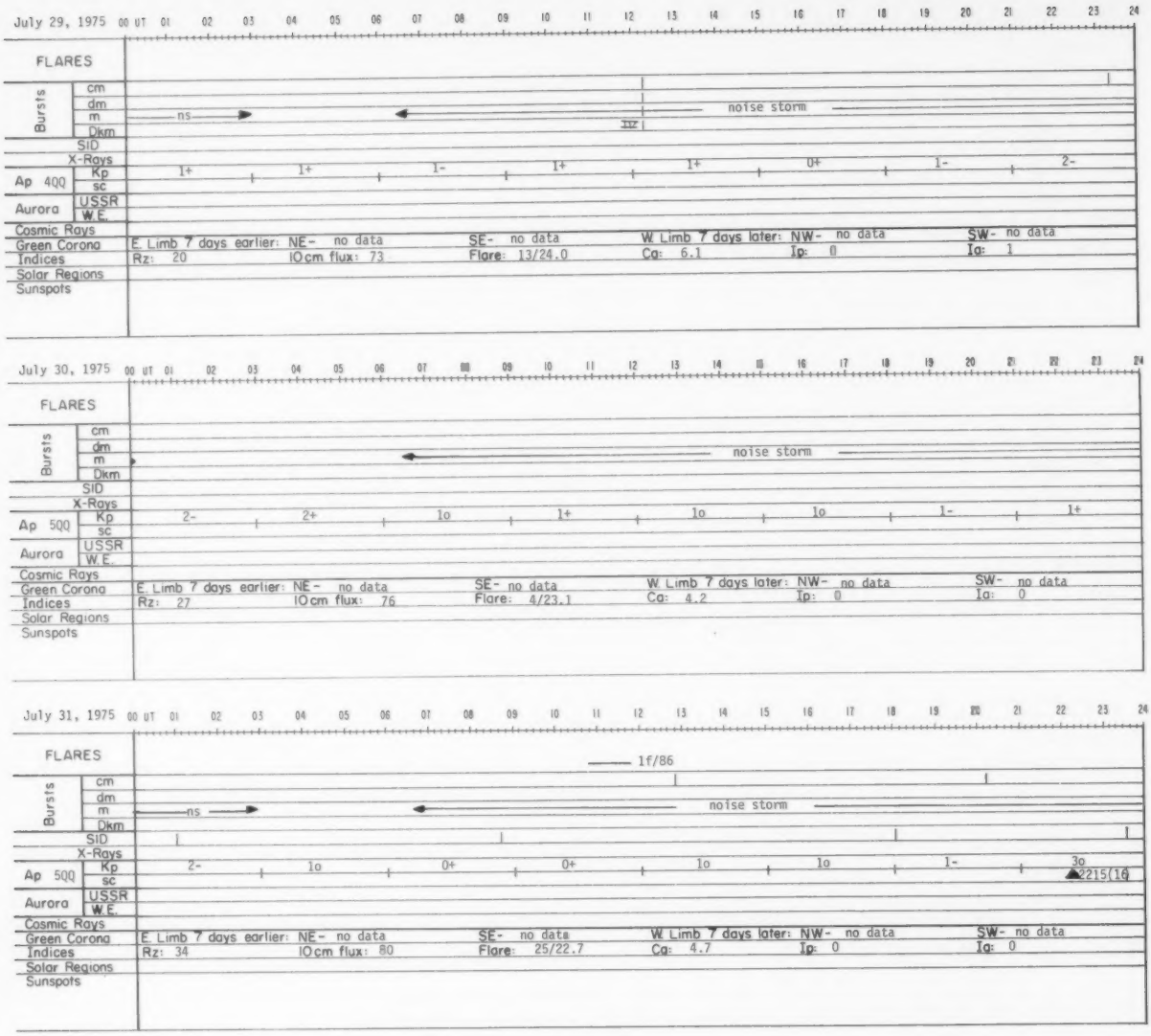
FLARES
Bursts
cm
dm
m
noise storm
Dkm
SID
X-Rays
Ap 19D
Kp
4o 3+ 3o 3o 3+ 4- 3+ 4-
sc
Aurora
USSR
W.E.
Cosmic Rays
Green Corona
E Limb 7 days earlier: NE- no data SE- no data W Limb 7 days later: NW- no data SW- no data
Indices
Rz: 30 10cm flux: 78 Flare: 13/24.0 Cg: 7.1 Ip: 0 Ig: 3
Solar Regions
(13781) N02 13783 N09 (13789) N23
Sunspots
19594 N08 (β)4 CMP July 25


July 27, 1975
00 UT 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
FLARES
Bursts
cm
dm
m
noise storm
Dkm
SID
X-Rays
Ap 11
Kp
3- 3+ 3o 2o 2o 2o 3- 2o
sc
Aurora
USSR
W.E.
Cosmic Rays
Green Corona
E Limb 7 days earlier: NE- (see Remarks) SE- W Limb 7 days later: NW- no data SW- no data
Indices
Rz: 29 10cm flux: 76 Flare: 21/24.0 Cg: 7.9 Ip: 0 Ig: 2
Solar Regions
13777 N07 (2)
Sunspots
19593 N07 (αp)4
(19595) N10 α CMP July 28
Remarks: Corona
NE- no data 0°-25°; 40°-50°


July 28, 1975
00 UT 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
FLARES
Bursts
cm
dm
m
ns
noise storm
Dkm
SID
X-Rays
Ap 10
Kp
4o 3o 2o 2- 2- 2o 2- 2-
sc
Aurora
USSR
W.E.
Cosmic Rays
Green Corona
E Limb 7 days earlier: NE- SE- W Limb 7 days later: NW- no data SW- no data
Indices
Rz: 26 10cm flux: 74 Flare: 11/23.1 Cg: 9.0 Ip: 0 Ig: 2
Solar Regions
13785 S05
Sunspots



REGIONAL FLARE INDEX
INCLUDES ALL FLARES

MC MATH PLAGE NO.	LAT	CMP DATE	DATE FIRST FLARE	DATE LAST FLARE	FLARE-INDEX SUM	FLARE-INDEX MEAN	TOTAL NO. OF FLARES
13757	N 7	75/07/02.4	75/07/08	75/07/08	.34	.34	1
13767	S 8	75/07/05.0	75/07/05	75/07/14	1.90	.32	2
13753	S 8	75/07/06.3	75/07/06	75/07/06	3.38	3.39	1
13750	N 6	75/07/09.5	75/07/04	75/07/15	109.45	9.12	37
13751	S11	75/07/10.7	75/07/10	75/07/10	10.94	10.94	2
13763	S10	75/07/11.4	75/07/12	75/07/12	.21	.21	1
13764	S12	75/07/15.4	75/07/11	75/07/13	12.04	4.01	10
13766	S 7	75/07/20.1	75/07/13	75/07/26	54.39	3.89	27
13783	N 9	75/07/26.1	75/07/22	75/08/01	144.28	14.43	55
13777	N 8	75/07/27.7	75/07/21	75/08/02	4[illegible].93	3.46	22

Note:
Because of differences in method of calculation, the dates of Central Meridian Passage for the McMath Plage Regions vary somewhat from those given elsewhere. Any region not listed here produced no flares during its disk passage.

SGD 378 Part II (Comprehensive)

MISCELLANEOUS DATA

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SOLAR RADIO EMISSION
SPECTRAL OBSERVATIONS
AUGUST 1975

	TIMES OF OBSERVATION		STATION	EVENTS									SPECTRAL TYPE
				DECIMETRIC BAND			METRIC BAND			DEKAMETRIC BAND			
	START UT	END UT		START UT	END UT	INT	START UT	END UT	INT	START UT	END UT	INT	
01	0000	0738	CULG				0027	0031	1				IIIG
			CULG				0035	0039	1	0035	0039		IIIGG
			CULG				0037	0038	2				UNCLF
			CULG				0226		1				IIIB
			CULG				0232.5		1				IIIB
			CULG				0245	0657					IIIN,W
			CULG				0303	0307.5	1				I
	2039	2400	CULG				2109	2400					IIIS,W
			CULG				2158.5	2159	1				IIIG,U
			CULG	2250.5	2252	2							IIIG
			CULG	2252.5	2254	1	2253	2257	2				II
			CULG				2300	2400					IW
			CULG				2351	2352	2				IIIG
02	0000	0730	CULG				0000	0640					IIIS,W
			CULG	0008	0014	2	0011	0014	2				CONT,P
			CULG				0207	0207.5	2				IIIB
			CULG				0237.5	0238.5	2				IIIB,U
			CULG	0245	0455		0000	0357					IW
			CULG				0253.5	0254.5	2				IIIG,V,U
	2040	2400	CULG	2050	2400	1	2055	2140	1				IS
			CULG				2055	2140					IIIS,W
			CULG				2140	2400	1				IIIN
			CULG				2241.5	2243.5	1				IIIG,U
03	0000	0730	CULG	0000	0730								IN,W
			CULG				0000	0730					IIIN,W
			CULG	0032.5	0033	1	0032.5	0033	1				IIIG
			CULG				0104.5	0108.5	1				IIIG
			CULG				0108.5	0113	2				IIIGG
			CULG				0112.5	0126	1				II
			CULG	0137		2	0137		2				IIIB
			CULG	0330	0725	2	0330	0725	2				CONT
			CULG	0334.5		1	0334.5	0335.5	1	0335		1	IIIG
			CULG							0340	0415	1	
			CULG				0345	0407.5	1				P
			CULG				0354.5	0411	1				II
			CULG				0528	0530	1				I,CHAINS
	2040	2400	CULG	2050	2400	1	2050	2400	1				IS
			CULG				2116	2400					IIIS,W
04			CULG				0000	0720					IIIS,W
			CULG				0000	0720	1				IS
	0000	0738	CULG	0000	0702								IN,W
	2039	2400	CULG	2055	2400	1	2052	2400	1				IS
			CULG				2055	2400					IIIS,W
			CULG				2325	2327	1				IIIG,V
05			CULG				0000	0738					IIIS,W
	0000	0738	CULG				0000	0738					IS,W
			CULG	0542.5	0543	1							FASTDRIFT
	2038	2400	CULG				2049	2400	2				IS
			CULG				2104	2400	1				IIIS
06	0000	0737	CULG				0000	0727	2				IS
			CULG				0000	0730	1				IIIS
			CULG	0256		1							FASTDRIFT
			CULG	0330	0333	1							FASTDRIFT
	2038	2400	CULG				2049	2400	1				IIIS
			CULG				2049	2400	2				IS
07	0000	0730	CULG				0000	0730	2				IS
			CULG				0000	0720	1				IIIS
			CULG				0418	0418.5	3	0418	0418.5	2	IIIG
			CULG				0547.5		2				IIIB
			CULG				0621	0622	2	0621	0622	1	IIIG
			CULG				0644.5		2	0644.5		2	IIIB
	2040	2400	CULG	2049	2400	1	2049	2400	2				I
			CULG				2050	2400	2				IIIS
			CULG	2058	2058.5	1	2058	2058.5	1				IIIG

SOLAR RADIO EMISSION
SPECTRAL OBSERVATIONS
AUGUST 1975

	TIMES OF OBSERVATION		STATION	EVENTS									SPECTRAL TYPE
				DECIMETRIC BAND			METRIC BAND			DEKAMETRIC BAND			
	START UT	END UT		START UT	END UT	INT	START UT	END UT	INT	START UT	END UT	INT	
08			CULG				0000	0730	2				I
	0000	0737	CULG	0000	0730	2	0000	0730	2				IIIS
	2039	2400	CULG	2046	2400	1	2050	2400	1				IS
			CULG				2050	2400	1				IIIS
			CULG				2305.5	2306.5	1				IIIG
			CULG	2305.5	2306.5	1							IIIG,RS
			CULG	2340	2341	1	2340	2341	1				IIIG
09	0000	0737	CULG	0000	0720	1	0000	0720	1				I
			CULG				0000	0454					IIIS,WRSDP
			CULG				0131.5		2				IIIB
			CULG				0357	0357.5	2				IIIG
			CULG				0454	0735	2				IIIS
	2040	2400	CULG	2045	2400	1	2046	2400	1				IS
			CULG	2050	2400	1							IIIS
10			CULG				0000	0730	1				IIIS
	0000	0737	CULG	0000	0730	1	0000	0730	1				IS
			CULG	0036.5	0037	2	0036.5	0037	2				IIIG
	2039	2320	CULG				2044	2320	1				IIIS
			CULG	2045	2320	1	2045	2320	1				IS
			CULG	2051	2051.5	1	2051	2051.5	1				IIIG
			CULG				2052	2053	1				IIIG
11	0232	0737	CULG	0232	0735	1	0232	0735	1				IS
			CULG				0232	0735	1				IIIS
	2039	2400	CULG				2040	2400	1				IIIS
			CULG	2044	2400	1	2044	2400	2				IS,CONT
12	0000	0642	CULG				0000	0642	1				IIIS
			CULG				0000	0642	2				IS
	0700	0737	CULG				0700	0737	1				IS
			CULG				0700	0737					IIIS,W
	2037	2400	CULG				2037	2200					IS,W
			CULG				2037	2400					IIIS,W
			CULG	2108	2218	1							IIIN
			CULG	2108	2110.5	1							IIIGG,U
13	0000	0737	CULG				0000	0737					IIIN,W
			CULG				0325	0737	1				IN
			CULG	0355	0540	1							IN
			CULG				2037	2400					IIIN,W
	2037	2400	CULG				2037	2400	1				IN
			CULG	2206	2207	1							IN
14	0000	0737	CULG				0000	0737	1				IN
			CULG				0000	0655					IIIN,W
			CULG	0222	0223	1							IIIG
	2037	2400	CULG				2037	2400	1				IIIN,U
			CULG	2232.5	2233	1	2232.5	2233	2				IIIG,U
			CULG	2243									IIIB,W
15	0000	0424	CULG				0000	0424					IIIN,W
16	0322	0736	CULG				0422	0503					IIIN,W
	2036	2400	CULG				2116	2152					IIIN,W
17	0000	0737	CULG										
	2036	2140	CULG										
	2150	2400	CULG										
18	0000	0736	CULG				0202.5	0203.5	1	0202.5	0203	1	IIIG,V,U
	2036	2400	CULG										
19	0000	0735	CULG				0523.5						IIIB,W
	2035	2400	CULG										
20	0000	0735	CULG										
	2035	2400	CULG										
21	0000	0735	CULG				0516						IIIB,W

SOLAR RADIO EMISSION
SPECTRAL OBSERVATIONS
AUGUST 1975

	TIMES OF OBSERVATION		STATION	EVENTS									SPECTRAL TYPE
				DECIMETRIC BAND			METRIC BAND			DEKAMETRIC BAND			
	START UT	END UT		START UT	END UT	INT	START UT	END UT	INT	START UT	END UT	INT	
21	2035	2400	CULG				2107.5	2108					IIIB,W
22	0000	0735	CULG				0056	0650					IIIN,W
			CULG	0116	0130	2	0117	0200	2				IV
			CULG	0116	0121.5	2	0114.5	0121.5	2	0116	0121.5	2	IIIGG,V
			CULG							0116	0150		
			CULG				0118.5	0147	2	0141	0145	1	IIH
			CULG	0454	0454.5	1	0450	0455	1	0451	0453	1	IIIGG
			CULG				0514.5	0517	1				IIIGG
			CULG	0525.5	0530	1	0525.5	0530	2	0525.5	0530.5	2	IIIGG,V
			CULG							0526	0540		
			CULG				0532	0548	1				II
			CULG				0535	0538.5	1				IIIG
			CULG	0558	0559.5	1	0558.5	0559.5	1				IIIG
			CULG	0600	0606	1	0600	0607	2	0603	0606	1	IIIGG,V
			CULG							0601	0630		
			CULG				0603	0631	2				II
			CULG				0609	0611	1				IIIG
			CULG				0647	0648	1				IIIG,V
	2035	2400	CULG				2218	2235	1				IIIN
			CULG	2221	2227	1	2221.5	2227.5	2	2222.5	2227.5	1	IIIG,V
23	0000	0735	CULG										
	2035	2400	CULG				2325	2348					IIIN,W
24	0000	0735	CULG				0057		1				IIIB
			CULG				0154		1				IIIB
			CULG				0415	0417.5	1				IIIG
			CULG				0555	0556	2	0555.5	0556	1	IIIG,V,U
			CULG				0558.5		1				IIIB
	2035	2400	CULG										
25	0000	0731	CULG										
	2035	2400	CULG	2228.5	2229		2228.5	2229.5					IIIG,W
26	0000	0433	CULG										
	0614	0734	CULG										
	2034	2400	CULG				2137.5	2138					IIIG,W
27	0000	0730	CULG	0555	0730	1							I
			CULG				0605.5	0607	1				IIIG,V
			CULG				0608	0617					II, W
			CULG				0700	0730					IS,W
	2034	2400	CULG										
28	0000	0733	CULG				0457.5		1				IIIB,U
			CULG				0622	0625	2				IIIG
	2033	2400	CULG										
29	0000	0733	CULG				0731	0732	1				IIIG
	2033	2400	CULG										
30	0000	0733	CULG				0457						IIIB,W,U
			CULG				0620	0621	1				IIIG,U
	2033	2400	CULG				2050	2102					IIIN,W
			CULG				2050	2051	1				IIIG,U
31	0000	0732	CULG										
	2032	2400	CULG				2118.5	2358					IIIN,W

EAST-WEST SOLAR SCANS

DECEMBER 1975

Fleurs, Australia

21 cm
Fan-Beam with 2 minutes of arc
E-W Resolution

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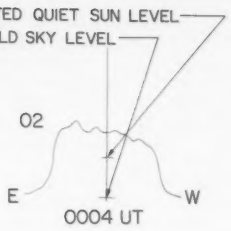

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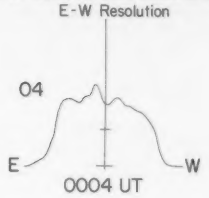

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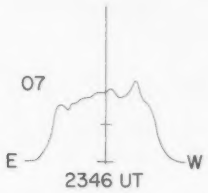

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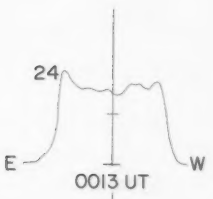

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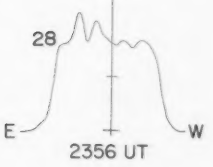

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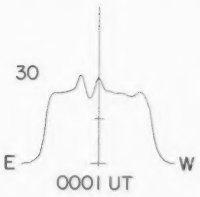
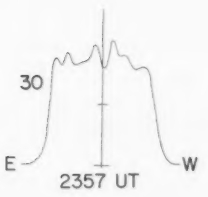




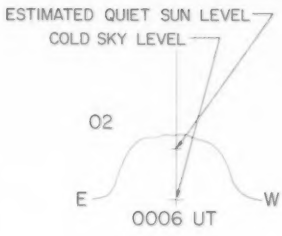
58
Misc
Dec 75

EAST-WEST SOLAR SCANS

DECEMBER 1975

Fleurs, Australia

43 cm
Fan-Beam with 4 minutes of arc
E-W Resolution



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02

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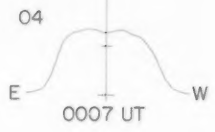

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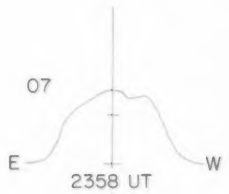

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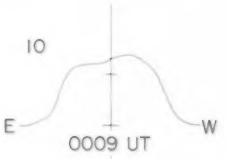

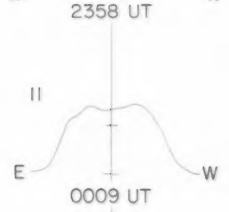

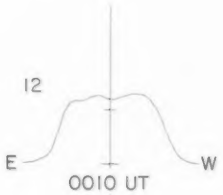

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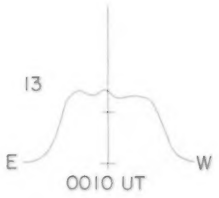

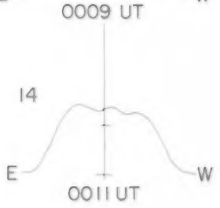

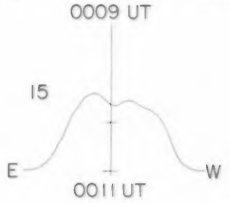

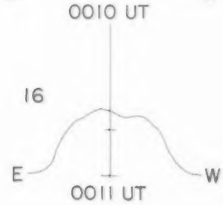

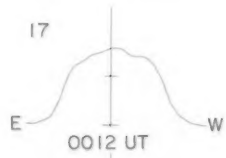

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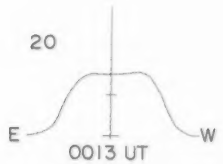

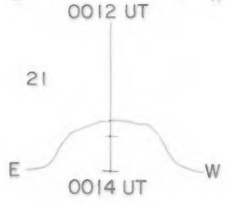

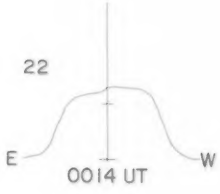

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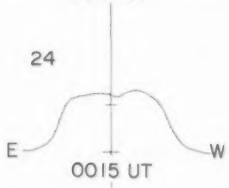

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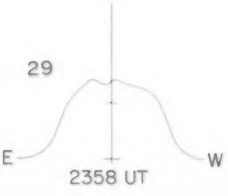

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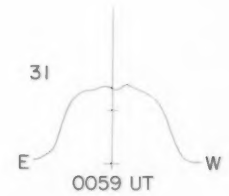

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